

TIMERS • COUNTERS • MOTOR PROTECTION • PROCESS MONITORING

# **PRODUCT SELECTION GUIDE**



## **AUTOMATIC TIMING & CONTROLS**



# **ATC DIVERSIFIED ELECTRONICS**

800.727.5646



# **TOP SELECTIONS FROM ATC**



#### SENSERT

Monitor your data with ease anytime, anywhere with affordable, cloud-based process monitoring and alerts.



#### **MPA2 MOTOR PROTECTION ANALYZER**

Protect electric loads, motors, and other vital equipment from failure or damage due to common current and voltage faults.



# **VCFP96M MULTIFUNCTION METER**

Improve power usage and management and increase productivity with this easyto-use multifunction meter.



#### 175MU/MD DIN RAIL TIMERS

Save space, time, and hassle with these slim, reliable multifunction timers.



#### ARA/B/C/D SERIES

Increase equipment life and performance with this series of Alternating Relays.



#### ATC560 TEMPERATURE CONTROLLER

Measure and regulate temperature with ease in a variety of applications.



#### **SPM SERIES**

Save downtime by monitoring pumps and detecting leaks sooner with the SPM Series.



#### MAR MOTOR AUTO-RESTART RELAY Eliminate costly and time-consuming

manual restarts and improve efficiency with the MAR Series.



# ATCPWR Industrial Power Supplies

Compact design that offers built-in protection against short-circuit, overload, overvoltage, and over-temp conditions.



#### **385AR TIMER COUNTER**

Experience accurate and repeatable timing and counting with this rugged digital timer/counter.



#### **SLA SERIES**

Prevent premature motor or equipment failure and downtime with this cost-effective three-phase monitoring relay.



#### **DIN Rail-Mount Phase Monitors**

Protect industrial machinery from premature failure with these space-saving threephase monitors.



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# **PHASE VOLTAGE MONITORS**











| Model / Series                                   | SLU-<br>100/0200/<br>0201/600  | DPR175A,<br>DPR350C  | MPA2  | SLA   |
|--|--|--|---|---|
| Protection                                       | Phase Loss, Under<br>Voltage, Over Volt-<br>age, Phase Unbalance,<br>Frequency Shift, Phase<br>Sequence, Phase Shift,<br>Rapid Cycling Lockout | Under Voltage,<br>Over Voltage,<br>Under Frequency,<br>Over Frequency,<br>Asymmetry, Phase<br>Failure, Phase Se-<br>quence | Overload/Undercurrent,<br>Overvoltage/Undervolt-<br>age, Frequency Shift,<br>Voltage/Current Unbal-<br>ance, Single Phasing,<br>Phase Reversal, Locked<br>Rotor | Phase Loss,<br>Under Voltage,<br>Phase Reversal               |
| Nominal Line Voltages<br>Phase to Phase 50/60 Hz | 208, 220, 240, 380,<br>415, 440, 460, 480,<br>575, 600 VAC   | 208, 220, 240, 380,<br>415, 440, 460, 480,<br>575,<br>600 VAC  | 208, 220, 240, 380,<br>415, 440, 460, 480,<br>575, 600 VAC  | 120, 208, 220,<br>240, 380, 415,<br>440, 460, 480,<br>575 VAC |
| Reset  | Automatic, Manual  | Automatic, Manual  | Automatic, Manual   | Automatic, Manual   |
| Contact Configuration                            | SPDT, DPDT   | SPDT x 2   | SPST N/O x 2  | SPDT, DPDT  |
| Contact Rating Resistive                         | 10A at 240 VAC   | N/O 5A at 250 VAC<br>N/C 3A at 250 VAC   | 10A at 277VAC, B300   | 10A, 5A, 3A   |
| Mounting Style                                   | DIN Rail, Surface Mount  | DIN Rail Mount   | DIN Rail, Surface Mount   | Plug-In,<br>Surface Mount                                     |
| Approvals  | UL, CE   | UL, CE   | UL  | UL, CSA   |

\*For Gen App.- See SLU-0200

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| SUPPLY<br>VIETAGE<br>240 VAC<br>240 VAC<br>SA PRO<br>RESISTAN<br>RESISTAN<br>(DR)<br>VBA-240-ALA | Contraction of the second seco |   | And and a  | VILLAND<br>USANDAR<br>USANDAR<br>USANDAR<br>SUBJECTION<br>USANDAR<br>SUBJECTION<br>USANDAR |
|--|--|---|--|--|
| VBA  | PBE  | SLD   | SLM  | UOA  |
| Under Voltage and<br>Over Voltage  | True RMS Voltage Band<br>Monitor<br>Under & Over Voltage<br>Phase Sequence   | Phase Unbalance,<br>Phase Loss, Under<br>Voltage, Phase<br>Reversal | Phase Loss, Under<br>Voltage, Over Voltage,<br>Phase Unbalance,<br>Frequency Shift, Phase<br>Sequence,<br>Microprocessor Based | Single Phase Under<br>Voltage Monitor  |
| 12, 24, 28, 48, 110 VDC<br>24, 120, 208, 230, 240<br>VAC   | 120, 208, 220, 240,<br>380, 415, 440, 460,<br>480, 575 VAC   | 120, 208, 240, 380,<br>440, 480 VAC                                 | 120, 208, 220, 240,<br>380, 415, 440, 460,<br>480 VAC  | 12, 24, 48, 110, 220,<br>240 VDC<br>24, 120, 208, 240<br>VAC                               |
| Automatic  | Automatic  | Automatic   | Automatic Manual   | Automatic  |
| SPDT, DPDT   | DPDT   | SPDT, DPDT  | DPDT   | DPDT, SPDT   |
| 5A or 10A by Model No.   | 10A at 240 VAC   | 10A, 5A, 3A by<br>Model No.   | 3A at 600 VAC  | 5A or 10A by Model<br>No.  |
| Plug-In,<br>Surface Mount  | Surface Mount  | Plug-In,<br>Surface Mount   | Surface Mount  | Plug-In,<br>Surface Mount  |
| CSA, cURus   | UL   | UL  | UL, CSA  | UL, CSA  |

-





# **CURRENT MONITOR RELAYS**











| Model / Series                   | CLB  | CMB                   | CMG  | CMU  |
|----------------------------------|--|-----------------------|--|--|
| Protection                       | 3 Phase Current<br>Unbalance and<br>Over Current | AC Go/No-Go Monitor   | AC Go/No-Go Monitor  | AC Under Current   |
| Control Voltage                  | 120 VAC  | 24, 120 VAC<br>24 VDC | Self Powered   | 24 or 120 VAC/DC   |
| Adjustable Current Trip<br>Point | 1.0 to 5.0, 2.0 to10                             | 1 to 10 Amps fixed    | 20-36 Amps fixed<br>(CMG-0100), 2 Amps<br>fixed (CMG-0101) | .05 to .25, 0.2 to<br>1.0, 1.0 to 5.0, 2.0<br>to 10.0, 4.0 to 20.0 |
| Range (Amps)                     | 15 Amps Continuous                               | Up to 50 Amps         | 400 Amp (CMG-0100)<br>200 Amp (CMG-0101)                   | Up to 25 Amp Max   |
| Reset                            | Automatic, Manual                                | Automatic             | Automatic  | Automatic  |
| Contact Configuration            | SPDT   | SPDT                  | SPST N/O   | DPDT   |
| Contact Rating Resistive         | 10A at 240 VAC                                   | 10A at 240 VAC        | 5A Relay or<br>1A S-State                                  | 10A at 120 VAC   |
| Mounting Style                   | Surface Mount                                    | Plug-In               | Style D Surface Mount                                      | Plug-In,<br>Surface Mount  |





# **ALTERNATING RELAYS**





| Model / Series               | ARA, ARB<br>ARC, ARD                    | ARA   | ARM  | ARM   |
|------------------------------|---|---|--|---|
| Number of Loads<br>Sequenced | 2 (ARB and ARD w/<br>Special Function)  | Duplexor, Triplexor,<br>Quadraplexor              | Integrated Duplex<br>Controller                        | Triplex and<br>Quadraplex,<br>Alternating<br>Controller |
| Control Voltage              | 24, 120 VDC<br>24, 120, 208,<br>240 VAC | 24, 120 VAC                                       | 24, 120 VAC  | 24, 120 VAC   |
| Expandable                   |   | Yes with models<br>ARA-120-AME and<br>ARA-120-ANE |  |   |
| Contact Configuration        | SPDT, DPDT, DPDT<br>Crosswired          | Control Switch                                    | (3) SPST N/O   | SPST N/O  |
| Contact Rating Resistive     | 10A at 240 VAC                          | 5A at 120 VAC                                     | 10A at 120 VAC   | 5A at 120VAC  |
| Mounting Style               | Plug-In                                 | Surface Mount                                     | Surface Mount or<br>Panel Mount,<br>Depending on Model | Surface Mount   |
| Approvals                    | UL, CSA                                 | UL, CSA Model AFE                                 | UL 913 HAZLOC  | UL 913 HAZLOC   |
| Application / Notes          | Duplexor SOSO<br>(ARC-ARD)              | Special Functions                                 | Intrinsically Safe<br>Inputs, SOSO Output              | Intrinsically Safe,<br>SOSO, FOFO<br>Output             |





# **ISOLATED SWITCHES / SEAL FAILURE ALARM**

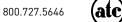








| Model / Series           | ISO   | ISO, ISL<br>Latching Output                                    | SPM   |
|--------------------------|---|--|---|
| Protection               | Single Channel<br>Isolated Switch                           | Multiple Channel 2,3,4<br>Isolated Switch                      | Single & Dual Channel<br>Seal Failure Alarm, Dual<br>Function - Failure and<br>Temperature                |
| Control Voltage          | 24, 120 VAC   | 24, 120 VAC  | 120 VAC   |
| Control Switch           | 16 VDC Open Circuit Voltage<br>200 μA Short Circuit Current | 6.2 VDC Open Circuit<br>Voltage<br>10 μA Short Circuit Current | 9VDC or 12VDC Dependent<br>on Model<br>(SPM120AEE is 12VDC, has<br>both probe & temp switch<br>operation) |
| Contact Configuration    | SPST N/O  | SPST N/O   | DPDT, SPST N/O, SPDT  |
| Contact Rating Resistive | 5A at 120 VAC   | 5A at 120 VAC  | 5A,10A at 120 VAC   |
| Mounting Style           | Plug-In, Surface Mount                                      | Surface Mount  | Plug-In, Surface Mount  |
| Approvals                | UL 913  | UL 913   | UL  |
| Application / Notes      | Hazardous Location  | Hazardous Location   | Submersible Pump  |







# **POWER ALERTS**









| Model / Series         | VCFP96M  | BFA   | GFD   |
|------------------------|--|---|---|
| Protection / Operation | Energy Meter   | Visual Fuse Status Indicator                                      | 3 Phase Ground Fault<br>Display                                   |
| Nominal Voltage        | Voltage<br>PT Primary: 100V-500kVAC<br>PT Secondary: 100-500 VAC (L-L)<br>Measured: 11-300 VAC (L-N), 19-<br>519 VAC (L-L)<br>Current<br>CT Primary: 1:5A to 1:10kA<br>CT Secondary: 1:5A<br>Measured: .011-6A | Nominal Voltage<br>208-600 VAC +/- 10%<br>Phase to Phase 50/60 Hz | Nominal Voltage<br>208-600 VAC +/- 10%<br>Phase to Phase 50/60 Hz |
| Max. Rated Voltage     | 300 VAC (L-N), 519 VAC (L-L)   | Maximum Continuous 660<br>VAC Phase to Phase                      | Maximum Continuous<br>660 VAC Phase to Phase                      |
| Terminations           | Screw Terminals  | (6) 2ft 18 AWG 600V   | (4) 2ft 18 AWG 600V   |
| Notes                  | RS-485/MODBUS RTU and Pulse<br>Output<br>120 VAC Control Voltage   | All Fuses UL Class H, J, K,<br>R, RK                              | Avoid Potential 2nd Ground<br>Fault                               |





# **INDUSTRIAL TIMERS**











| Model / Series           | 405AR  | 405C  | 407C                                    | 409B                                  |
|--------------------------|--|---|---|---------------------------------------|
| Mode of Operation        | On Delay / Interval                          | On Delay / Interval                               | On Delay / Interval<br>Signal Off Delay | Interval / Push<br>Button Start       |
| Туре                     | Analog                                       | Analog  | Analog                                  | Analog                                |
| Operating Voltages       | 20-240 VAC &<br>12-240 VDC                   | 24-240 VAC & 24 VDC<br>12 VDC only<br>24 VDC only | 24-240 VAC & 24<br>VDC<br>24 VDC only   | 24-240 VAC & 24<br>VDC<br>12 VDC only |
| Time Range               | .05 Sec to 30 Hrs                            | .05 Sec to 50 Hrs                                 | .05 Sec to 50 Hrs                       | .05 Sec to 50 Hrs                     |
| Contact Configuration    | DPDT   | DPDT, Instantaneous                               | DPDT                                    | DPDT                                  |
| Contact Rating Resistive | 10A at 250 VAC/8 pin<br>5 A at 230 VAC/Term. | 10A at 250 VAC                                    | 10A at 250 VAC                          | 10A at 250 VAC                        |
| Mounting Style           | 1/16 DIN 8 Pin or<br>Screw Terminal          | 1/16 DIN 8 Pin                                    | 1/16 DIN 8 Pin                          | 1/16 DIN 8 Pin                        |
| Approvals                | UL, CE                                       | UL  | UL                                      | UL                                    |















| 417B                 | 422AR  | 425A                              | 328E                                      | 339B                                      |
|----------------------|--|-----------------------------------|---|---|
| True-Off Delay       | Repeat Cycle<br>Off First, On First          | On Delay /<br>Time Up / Time Down | On Delay / Interval /<br>Signal Off Delay | On Delay / Interval                       |
| Analog               | Analog                                       | Digital / Display                 | Analog                                    | Analog                                    |
| 24-240 VAC & 24 VDC  | 20-240 VAC &<br>12-240 VDC                   | 120-240 VAC<br>120 VAC            | 24-240 VAC & 24 VDC                       | 120 VAC<br>240 VAC<br>24 VAC/DC or 12 VDC |
| .1 Sec to 10 Min     | .05 Sec to 10 Hrs                            | .001 Sec to 999 Hrs               | .05 Sec to 10 Hrs                         | .075 Sec to 10 Hrs                        |
| DPDT, SPDT           | DPDT   | DPDT, Instantaneous               | DPDT                                      | DPDT                                      |
| 10A at 250 VAC       | 10A at 250 VAC/8 pin<br>5 A at 230 VAC/Term. | 5A at 250 VAC                     | 10A at 250 VAC                            | 10A at 250 VAC                            |
| 1/16 DIN 8 or 11 Pin | 1/16 DIN 8 Pin or<br>Screw Terminal          | 1/16 DIN 8 Pin                    | 1/8 DIN 11 Blade Pin                      | 36mm 8 Pin                                |
| UL, CE               | UL, CE                                       | UL, CE, CSA                       | UL, CE, CSA, FM                           | UL, CE, CSA, FM                           |





# **INDUSTRIAL TIMERS**











| Model / Series           | 365C                                   | 355C                   | 652, 653, 655  | СР                      |
|--------------------------|--|------------------------|--|-------------------------|
| Mode of Operation        | On Delay / Interval                    | On Delay / Interval    | On Delay, Interval<br>Reverse Start Delay,<br>Repeat Cycle,<br>Timer/Counter | Percentage Timer        |
| Туре                     | Digital Prog. Display                  | Digital / Display      | Digital / Display  | Dial Adjusted           |
| Operating Voltages       | 120 VAC<br>240 VAC<br>24 VAC or 24 VDC | 120 VAC<br>240 VAC     | 120 VAC<br>240 VAC   | 120 VAC<br>240 VAC      |
| Time Range               | .01 Sec to 999 Hrs                     | .01 Sec to 999.9 Min   | .001 Sec to 199 Hrs  | .9 Sec to 60 Min        |
| Contact Configuration    | DPDT,<br>Instantaneous                 | DPDT,<br>Instantaneous | 2-DPDT, Delayed<br>2-DPDT, Instantaneous<br>1-SPDT, Instantaneous            | SPST                    |
| Contact Rating Resistive | 7A at 120, 240,<br>24 VAC              | 5A at 120 VAC          | 7A at 240 VAC  | 20A at 1/2hp<br>120 VAC |
| Mounting Style           | 72mm Panel Mount                       | 72mm Panel Mount       | Plug-in Case /<br>Panel Mount  | Panel Mount             |
| Approvals                | UL                                     | UL                     | UL   | UL                      |

















| 304GX                | 425AR                                 | 385AR  | 175MU/MD  | 7DT               |
|----------------------|---------------------------------------|--|---|-------------------|
| Percentage Timer     | Multi-Function<br>Time Up / Time Down | Multi-Function<br>Time/Count                           | Multi-Function  | Weekly Timer      |
| Dial Adjusted        | Dual Digital Display                  | Dual Digital Display                                   | MU: Dial Adjusted<br>MD: Dual Digital Display         | 2 Channel Display |
| 120 VAC              | 90 to 270 VAC/DC<br>50/60 Hz          | 90 to 270 VAC/DC<br>50/60 Hz                           | 20 to 240 VAC/DC<br>50/60Hz                           | 12-240 VAC/DC     |
| 15/30/60/120 Sec/Min | 0 to 9999 Sec/Min/Hrs                 | Counter -999 to 9999<br>Timer - 0 -9999<br>Sec/Min/Hrs | MU: .1 Sec to 3 Hrs<br>MD: .1 Sec to 9 Hrs,<br>59 Min | Daily, Weekly     |
| SPST                 | SPST x 2,<br>Instantaneous            | SPST N/O x 2   | SPDT  | SPDT x 2          |
| 10A at 120 VAC       | 5A at 230 VAC                         | 5A at 230 VAC  | MU: N/O 5A, N/C 3A at<br>250 VAC<br>MD: 8A at 250 VAC | 16A at 250 VAC    |
| Panel Mount          | 1/16 DIN Screw<br>Terminal            | 1/16 DIN Screw<br>Terminal                             | DIN Rail Mount  | DIN Rail Mount    |
| UL, CE               | cURus, CE                             | cURus, CE  | MU: UL LISTED, CE<br>MD: UL LISTED                    |                   |





# **INDUSTRIAL COUNTERS**











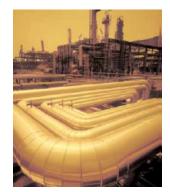
| Model / Series        | 366C                                | 356C                   | 354C                                     | 5710A/D                                   |
|-----------------------|-------------------------------------|------------------------|--|---|
| Mode of Operation     | Count Up. Down,<br>Stop & Go        | Count Up               | High Speed<br>Counter w/<br>24VDC Supply | Count Up, Timer                           |
| Туре                  | Digital Display<br>Knob Adjustable  | Digital / Toggle Lever | Digital / Toggle<br>Lever                | Digital Display                           |
| Operating Voltages    | 120 VAC<br>240 VAC<br>24 VAC or VDC | 120 VAC<br>240 VAC     | 120 VAC<br>240 VAC                       | 5710A: 90-<br>270VAC/DC<br>5710D:12-24VDC |
| Counting Range        | 1 to 99,990                         | 1 to 99,990            | 1 to 99,990                              | 1 to 999,999                              |
| Contact Configuration | DPDT, Instantaneous                 | DPDT, Instantaneous    | SPDT                                     | (None, Indicator<br>Only)                 |
| Contact Rating        | 7A at 120, 240,<br>24 VAC           | 5A at 120 VAC          | 5A at 120 VAC                            | (None, Indicator<br>Only)                 |
| Mounting Style        | 72mm Panel Mount                    | 72mm Panel Mount       | 72mm Panel Mount                         | Panel Mount                               |
| Approvals             | UL                                  | UL, CE                 | UL, CE                                   | CE  |





## CASE STUDY (MAR Series Motor Auto-Restart Relay)

ATC Diversified Electronics Develops Effective, Inexpensive Solution for Manual Restarts Following Power Interruptions and Undervoltages



#### **BUSINESS CHALLENGE:** The \$1 Million Problem

A major operator of oil and gas refineries approached ATC Diversified Electronics to engineer a solution to the costly problem of critical application restarts after power service undervoltages (defined as a power drop within 90% of peak) and interruptions. Refineries rely on a complex series of pumps, numbering in the hundreds, to move material through the refining process. When even a small power blip happens, each pump must be restarted manually. ATC's customer experienced approximately 12 such incidents each year, at a total cost of approximately \$1 million annually.

#### **SOLUTION:** Fix the Problem, but Within Set Parameters

The customer requested more efficient restarts; however, several technical parameters also had to be met. Restarts had to be staggered, as simultaneous occurrences would place an undue burden on the power capacity. The solution had to address an undervoltage or power interruption period no greater than 4, 6, or 10 seconds in duration. An overload neutral disconnect feature was needed so as notto interfere with the functioning of a thermal overload relay. Finally, the device needed to be in a plug-informat and easily changeable.

#### **RESULT:** Introducing the MAR Series Motor Auto-Restart Relay

In just four months, the ATC team developed the new MAR Series Motor Auto-Restart Relay. Following a momentary drop or interruption of the control voltage, it bypasses a motor's start switch to re-energize the starter coil. When the control voltage drops below the trip point while the motor is running, the delay begins. If the control voltage returns before the delay expires, the adjustable restart delay begins. Upon expiration of the restart delay, the internal relay energizes for the duration of the output interval, providing a restart. When multiple restart controllers are used in the same facility, the adjustable restart delay allows a customized restart sequence, limiting the maximum in-rush current. As an additional safety feature, if the control voltage fails for longer than the time delay or the motor was not initially running at the time of failure, the unit will not restart the motor.

#### **FUTURE:** Beyond Oil & Gas

The MAR Series can help a wide range of industries beyond oil and gas— any industry that has a production process with critical components, as long as the process is not in a hazardous area and doesn't have permissive circuits. The ATC team has added a range of output interval restart ranges, restart delay ranges, an option for an O/L relay neutral disconnect feature, and the choice of 8-pin or 11-pin plug-ins. For an industrial facility, the MAR Series gets power to critical applications in a restart environment, improves process uptime, and is a highly cost-effective solution that can save hundreds of thousands of dollars, or even millions, each year.



### **NEW! ATCPWR Industrial Power Supplies**





Protect your critical components against short-circuit, overload, overvoltage, and over-temperature conditions, with efficiencies ranging from 87% to 93.5% @ 230 VAC.

ATCPWR Industrial 24 VDC DIN Rail-Mount Power Supply series comes complete with built-in active power factor correction. Compact space-saving design models ranging from 60 watts to 480 watts and available with AC universal supply voltage (90-264 VAC) are cULus listed / UL 508 approved.

### **NEW! VCFP96M Multifunction Meter**





Improve productivity with power quality management.

This easy-to-use device detects where power is being wasted. Facility managers gain a competitively priced yet packed-with-features solution to their power management needs. It's ideal for chemical and manufacturing plants with a power usage of at least 10,000 kWh per month.

The VCFP96M Multifunction Meter permanently installs into a panel box. Output specifications include pulse output and RS485 Modbus RTU communication protocol compatible with PC, PLC, RTU, data loggers, and SCADA programs. The easy-to-read backlit LCD display includes four rows and a convenient bar graph.



### **NEW! MPA2 Motor Protection Analyzer**





Are you looking to prevent costly motor repairs and downtime? The MPA2 is a micro-controlled three-phase Motor Protection Analyzer specifically designed to protect electric loads and motors from failure and damage due to common current and voltage faults.

The MPA2 constantly supervises current and voltage values. When any harmful condition occurs, the output connection is deactivated until the fault disappears, power line conditions return to an acceptable level and the motor has been totally cooled.

When you use the MPA2 Motor Protection Analyzer, you are working with the best solution to protect your most important investments.

#### **NEW!** Current Transformers





See significant cost savings without sacrificing performance.

Need a replacement for your outdated current transformer? Check out the latest model from ATC Diversified. Reduce or multiply an alternating current or extend the range of current monitors easily with these CTs. This new design serves as a direct replacement for older models without a hefty price tag.

Our Current Transformers:

- Measure alternating currents in a power system
- Produce a proportional alternating current
- Ensure protection against abrasive substances





# **NEW! SENSERT Remote Monitoring & Alerts**

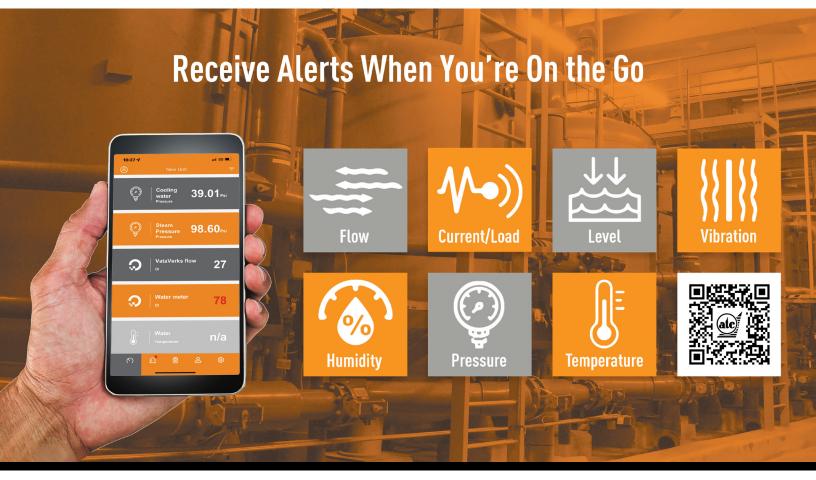


Real-time data monitoring anywhere, anytime.

Need a convenient way to monitor process activity? SENSERT allows you to monitor a variety of sensors, such as temperature, humidity, vibration, pressure, etc., and then sends alerts based on customized thresholds. This helps reduce overall maintenance costs and emergency repairs by monitoring your equipment and relaying important data back to you quickly and efficiently.

SENSERT offers:

- Wi-Fi Base Unit, Cellular Base Unit, Remote I/O
- Affordable remote process monitoring & alerts
- Reduced costs (maintenance, labor, downtime, etc.)
- · Peace of mind, keeping you updated on activity



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# The SENSERT Ecosystem





#### SENSERT Base Unit

- Power Supply: 5-30 VDC
- Analog Input: 4 [0-20 mA, 4-20 mA, 0-5 V, 0-10 V]
- Digital Input: 2 [Dry Contact]
- Digital Output: 1 [Relay]
- WiFi (Pictured) or Cellular Cloud Communication



#### SENSERT Remote I/O

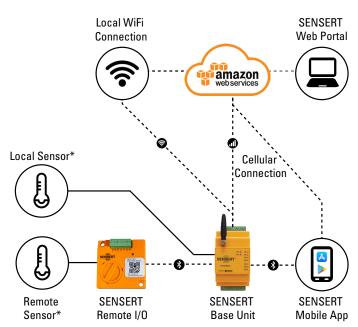
- Power Supply: 12-24 VDC or battery [CR2450]
- Analog Input: 1 [0-20 mA, 4-20 mA, 0-5 V, 0-10 V]
- Digital Input: 1 [Dry Contact]
- Bluetooth LE or Mesh Communication



#### \*Sensor

Any type of sensor with analog output of 0-20 mA, 4-20 mA, 0-5 V, 0-10 V

## **Ordering Information**



| Product                     | Product Number | Features   |
|-----------------------------|----------------|--|
| SENSERT WiFi Base Unit      | SST-BWF1HH     | <ul> <li>WiFi Cloud Communication and Wireless Device Communication</li> </ul>         |
|                             |                | Hardwired Power  |
|                             |                | Hybrid DIN Rail and Panel Mount  |
| SENSERT Cellular Base Unit  | SST-BCA1HH     | <ul> <li>Cellular Cloud Communication and Wireless Device Communication</li> </ul>     |
|                             |                | Hardwired Power  |
|                             |                | Hybrid DIN Rail and Panel Mount  |
| SENSERT Remote I/O Standard | SST-RBM1CP     | <ul> <li>Bluetooth LE Cloud Communication and Wireless Device Communication</li> </ul> |
|                             |                | <ul> <li>Combination Battery and Hardwired Power</li> </ul>                            |
|                             |                | Panel Mount  |
| SENSERT Remote I/O Repeater | SST-RBM1HP     | Bluetooth Mesh Cloud Communication and Wireless Device Communication                   |
|                             |                | Hardwired Power  |
|                             |                | Panel Mount  |

atc



# ATC: Two Divisions, One Solution

ATC's two divisions, Automatic Timing & Controls and Diversified Electronics, combine to offer industrial timing controls, motor protection, and electrical safety products. We offer a proven product—rugged and built for demanding applications; millions of inventoried products stocked for immediate shipment; and experienced application engineers who help you trade away unneeded and expensive features to maximize ROI. Our standard 10-year warranty applies to all ATC/DEI products. We are the experience you can count on.





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