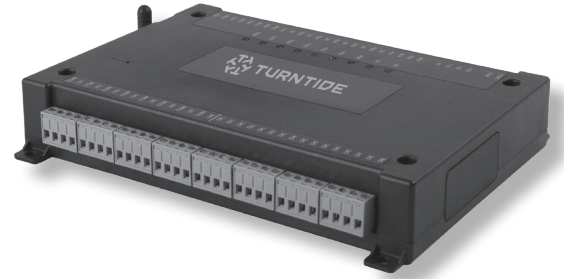


Turntide™ Supervisor

The Turntide Supervisor is used to connect multiple Smart Motor Systems on a site and provide connectivity to the Turntide Cloud or a BMS system. With the ability to manage up to ten motor systems, it can coordinate operation, provide continuous real-time monitoring data to the Turntide Cloud, and enable direct control and monitoring capability via BACnet to BMS systems. The Supervisor communicates to Turntide Smart Motors via a twisted pair network or 802.11 Wifi.

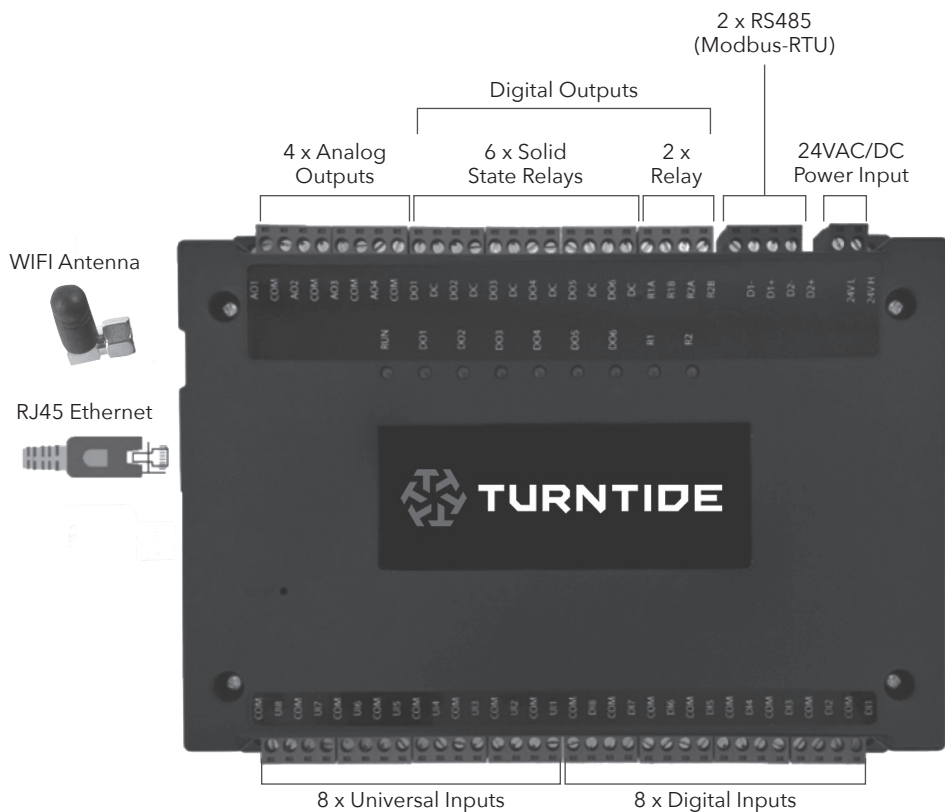
The Turntide Supervisor provides connections for a multitude of physical I/O and is configurable with Turntide Cascade™ configuration software, completing a very flexible gateway product.



| FEATURES | TURNTIDE SUPERVISOR BENEFITS |
|---|--|
| Provides single communication connection for up to ten motors | Reduces field wiring and simplifies connection to BMS or Turntide Cloud. |
| Local or remote firmware upgrades for Turntide Smart Motors | System upgrades improve motor efficiency and operation, increasing Turntide Smart Motor energy savings over time. |
| Building management protocol support through native BACnet/IP | Leverages industry standard communications protocols, allowing for seamless integration with existing equipment and systems. |
| Supervises up to ten Turntide Motor Systems | Provides a single, scalable point of connection for remote monitoring and management of the motor systems. |
| Full complement of control and monitoring I/O: <ul style="list-style-type: none"> • Eight universal (voltage, current or resistive) inputs • Eight 24VAC digital inputs • Eight digital outputs • Four analog outputs • Linux based system architecture and standards-based software | Reduces total cost of implementation by minimizing need for additional BMS equipment with no licensing requirements. |
| Pre-configured for Automatic Digital Economizer Control | Approved for rebates by several utilities in the United States. Reduces payback period for retrofits. |



Certified to UL 60730-1 safety standard



2 x RS485
(Modbus-RTU)

Digital Outputs

4 x Analog
Outputs

6 x Solid
State Relays

2 x
Relay

24VAC/DC
Power Input

WiFi Antenna



RJ45 Ethernet



| DIMENSIONS | LG | WD | HT |
|------------|-------|------|------|
| Supervisor | 7.95" | 6.1" | 1.4" |
| W/Antena | 8.66" | 6.1" | 1.4" |

8 x Universal Inputs

8 x Digital Inputs

| TYPE | QTY | SPECIFICATION | NOTES |
|---|-----|---------------|--|
| Digital Output | 2 | 1A, 125VAC | 2 Relay contact output |
| | 6 | 2A, 24VAC | 6 Triac outputs |
| Digital Input | 8 | 0-24VAC | Isolated Inputs on Rev C |
| Analog Output | 4 | 0-10V, 20mA | Source follower buffered |
| Universal Input (Independently configurable as): | 8 | 0-10V | Single ended voltage mode |
| | | 0-20mA | Current loop mode |
| | | RESISTIVE | Resistive sensing, e.g. Thermistors |
| | | LOGIC | Open returns Logic 0 and shorted returns Logic 1 |

Indemnity

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Turntide Technologies (formerly Software Motor Company) has developed the world's most efficient and intelligent electric motor system. The revolutionary Smart Motor System is based on proven switched reluctance technology, now managed with advanced cloud software and connected to precise controls via IoT. Turntide's vision is to eliminate the 25% of global electricity consumption that is wasted by legacy motors, thus accelerating the world's transition from fossil fuels. Turntide is based in Sunnyvale, Calif., with offices in San Francisco; Arlington, Wash.; and Kennesaw, Ga. Turntide has installed Smart Motor Systems with dozens of customers, reducing their motor electricity consumption by an average of 64%, and is powering the systems of leading OEMs. For further information, visit www.turntide.com.