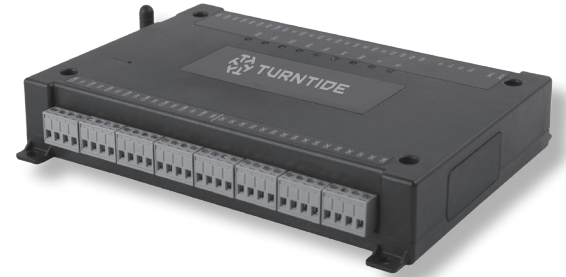


# Turntide Supervisor

The Turntide Supervisor is used to connect multiple Turntide smart motors 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.

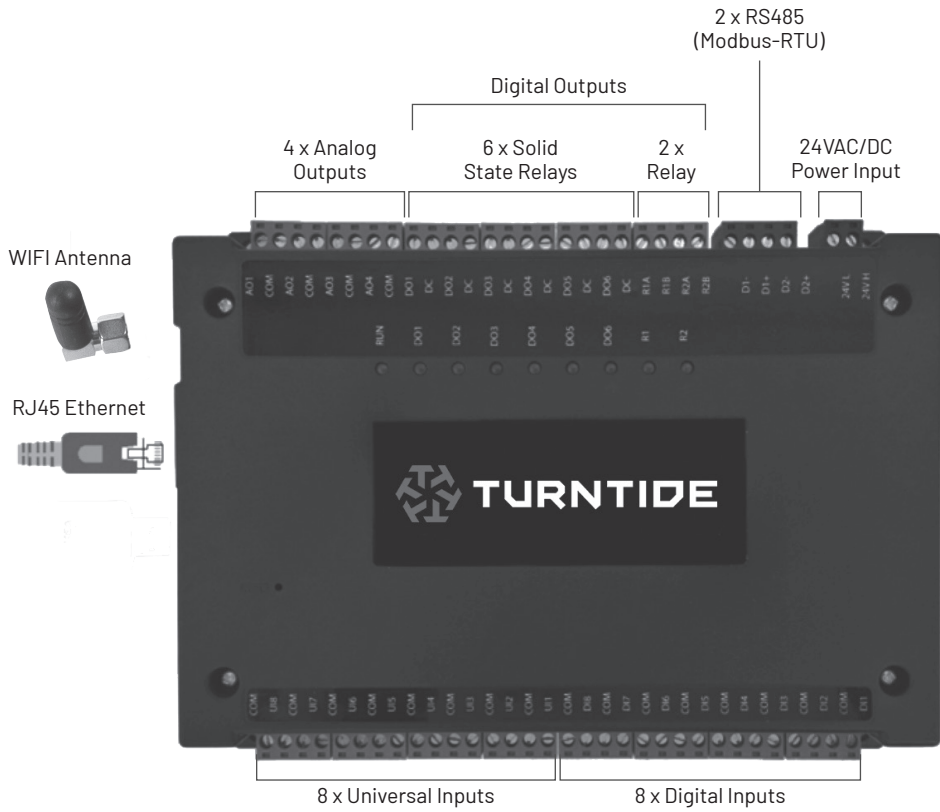
The Turntide Supervisor provides connections for a multitude of physical I/O and is configurable with Turntide Cascade™ configuration software, completing a very flexible gateway product.



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"> <li>• Eight universal (voltage, current or resistive) inputs</li> <li>• Eight 24VAC digital inputs</li> <li>• Eight digital outputs</li> <li>• Four analog outputs</li> <li>• Linux based system architecture and standards-based software</li> </ul>	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



DIMENSIONS	LG	WD	HT
Supervisor	7.95"	6.1"	1.4"
W/Antenna	8.66"	6.1"	1.4"

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

**TURNTIDE TECHNOLOGY FOR SUSTAINABLE OPERATIONS**

Our breakthrough technologies accelerate electrification and sustainable operations for energy-intensive industries.

