

Macquarrie

POWERCORE® TEC-10

The complete engine management solution to automate your mechanical engine.

A rugged and superior controller, the PowerCore® TEC-10 is capable of automating your mechanical engines while providing full protection capabilities.

Take full control of your engine with advanced features including auto start/stop, auto throttling, live engine parameter displays with warnings and shutdown indication and descriptive engine faults.

Modular plug and play design means that features such as ready-to-go **telemetry**, flow switch, floats and other accessories can be added on the fly.



TEC-10 SPECIFICATION

DISPLAY

SCREEN SIZE	2.7 INCHES
TYPE	MONOCHROME
RESOLUTION	400 X 240

HARDWARE

RATING	IP67
LEDS	GREEN (MODE), YELLOW (WARNING), RED (SHUTDOWN)
MATING CONNECTORS	21 POSITION, DEUTSCH HDP26-24-21SE 31 POSITION, DEUTSCH HDP26-24-31SE

ELECTRICAL

VOLTAGE	8-32 VDC
INPUTS	(5) DIGITAL, CONFIGURABLE (3) ANALOG, CONFIGURABLE (4-20MA, 0-5V, RESISTIVE OR DIGITAL GROUND)
OUTPUTS	(1) FREQUENCY (3) RELAY, OUTPUTS, 10A (4) DIGITAL OUTPUTS (1) DEDICATED ALTERNATOR EXCITATION, +DC, 1A

COMMUNICATION

CANBUS	(1) J1939
SERIAL	RS485 (MODBUS RTU)

TEC-10 STAND OUT FEATURES

RUGGED IP67 TURNKEY CONTROLLER	DESCRIPTIVE FAULTS WITH LED INDICATORS	POWER-SAVING STANDBY MODE FOR INACTIVITY
7-DAY, 24 HOUR START/STOP RUN TIMER	AUTO START VIA REMOTE INPUTS PRESSURE OR FLOATS	MODBUS & CANBUS READY
RUNNING MODES INC LINE FILL, WARMUP & COOLDOWNS	PLUG AND PLAY TELEMETRY VIA 3G/4G NETWORKS	PLUG AND PLAY VARIABLE THROTTLE KIT
VARIABLE SPEED CONTROL TO MAINTAIN PRESSURE	VARIABLE SPEED CONTROL TO MAINTAIN RPM	CONFIGURABLE RUNNING SPEEDS
ENGINE OIL PRESSURE PROTECTIONS	ENGINE TEMPERATURE PROTECTIONS	PUMP DISCHARGE PRESSURE PROTECTIONS
LEVEL PROTECTIONS (COOLANT & OIL)	NO FLOW, LOSS OF PRIME PROTECTIONS	FUEL LEVEL MONITORING WITH PROTECTIONS
PRE-START OUTPUTS FOR PREHEAT OR PRIME VALVE	ENGINE RUNNING OUTPUTS (DIGITAL)	COMMON ALARM OUTPUT FOR FAULTS (DIGITAL)