

Versatile turnkey control panel provides familiarity across many applications

User configurable from the face of the panel

Rugged panel withstands dust, water and vibration

Compatible with electronic and mechanical engines



SUPERIOR TURNKEY PANEL OFFERS COMPLETE CONTROL, FAMILIARITY ACROSS APPLICATIONS

Murphy's PowerCore® TEC-10 panel provides full control of your engine including auto start/stop, auto throttling and display of engine parameters along with critical faults from the engine/application.

An incredibly versatile control panel, the TEC-10 allows parameters and settings to be changed directly from the front face or via a free PC configuration tool. Powerful flexibility allows for the same control panel to be used across a wide range of applications while providing operator consistency and familiarity.

The control panel features molded-in industry-standard connectors mating with Deutsch HDP series connectors and is compatible for use on the simplest mechanical engine to the most advanced, fully electronic Tier 4 engines.*

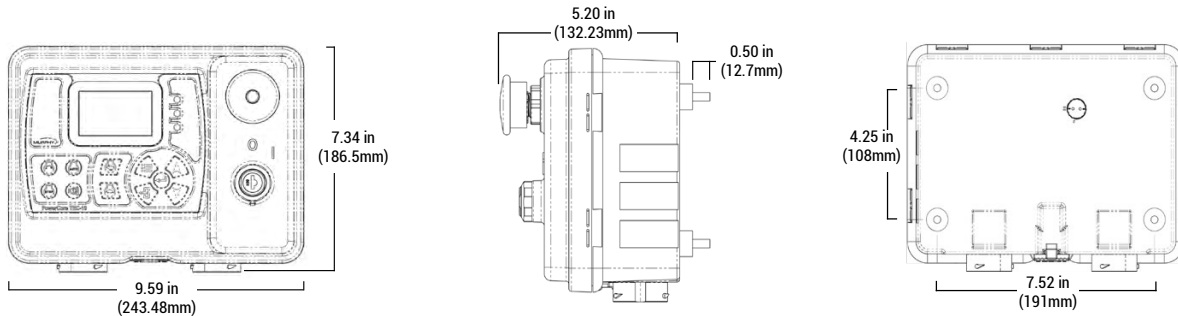
Designed as a plug-and-play solution, the TEC-10 panel is perfect for rental or industrial applications where I/O is needed and auto start or auto throttling is desired.

*Murphy Industrial Harness or John Deere OEM engine harnessing required



POWERCORE® TEC-10

TEC-10 DIMENSIONS



TEC-10 SPECIFICATIONS

DISPLAY		COMMUNICATION	
SCREEN SIZE	2.7 inches	CAN	(1) CAN 2.0B, J1939
TYPE	Monochrome HR-TFT	SERIAL	RS485, (MODBUS RTU)
RESOLUTION	400 x 240	USB	Programming
HARDWARE		ENVIRONMENTAL	
KEYPAD	(11) Raised silicone keypads, tactile feedback (1) Rotary switch, power on/off (1) Push-switch (red), engine stop	OPERATING TEMPERATURE	-40° to +85° C (-40° to 185° F)
LEDs	Green (mode), Yellow (warning) and Red (shutdown)	STORAGE TEMPERATURE	-40 to +85° C (-40° to 185° F)
MATING CONNECTORS	21 Position, Deutsch HDP26-24-21SE, 31 Position, Deutsch HDP26-24-31SE	PROTECTION	IP67
ELECTRICAL		VIBRATION	7.86 Grms (5-2000 Hz), 3-axis random
OPERATING VOLTAGE	8-32 VDC, reverse battery polarity and load dump protected	SHOCK	±50G, 3-axis
TOTAL CURRENT CONSUMPTION	Power on in stopped state; 117 mA at 12 VDC Power on in standby mode; 52 mA at 12 VDC	CASE	Polycarbonate
INPUTS	(5) Digital, configurable (active on High, Low, Open) (3) Analog, configurable (4-20 mA, 0-5V, resistive or digital ground) (1) Frequency, supporting: Magnetic pickup (30 Hz - 10 kHz, 2.0 VAC-120 VAC) and Engine Alternator (30 Hz - 10 kHz, 4.5 VRMS - 90 VRMS)	DIMENSIONS	Width: 9.59 in. (243.48 mm) Height: 7.34 in. (186.5 mm) Depth: 5.20 in. (132.23 mm)
OUTPUTS	(2) Relay, switched +DC, 10A (1) Relay, Form C (dry / volt-free), 10A (2) Low-side FET (-DC), 1A (2) High-side FET (+DC), 1A (1) Dedicated Alternator Excitation, +DC, 1A		

FOR MANUALS, SUPPORT DOCUMENTS, AND WIRING DIAGRAMS PLEASE VISIT:

www.macquarrie.com.au/collections/auto-start-stop-controllers