Engine Speed Controller (J1939 TSC1)

Set engine RPM from the panel with the J1939 TSC1 message, without opening the engine ECU.



OVERVIEW

This version of the 27HMI v2 is pre-programmed as an engine speed controller. The operator raises or lowers engine RPM with the two buttons. The display sends Torque/Speed Control (TSC1) requests over CAN 2.0B J1939 and shows the live engine speed. It suits PTO, pump, hydraulic and stationary applications where the engine has to hold a set speed.

- RPM +/- over J1939 TSC1
- Live engine speed read-back
- Plug-in 8-pin connector
- IP67 front

SPECIFICATIONS

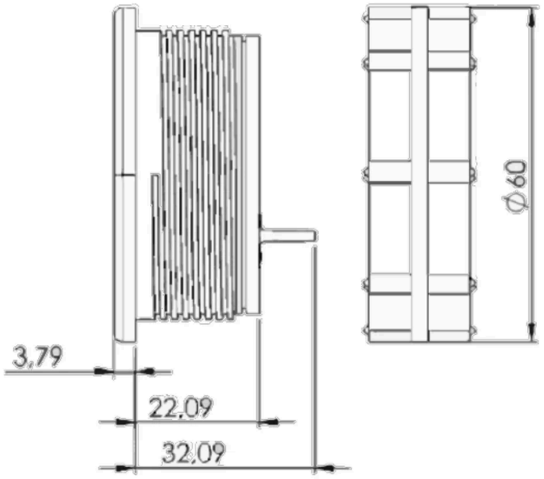
Function	Engine RPM +/- using the J1939 TSC1 message
Display	Monochrome LCD, 1.36 in, 106 × 56 px
CAN	1 × CAN 2.0B, SAE J1939
Inputs	4 configurable, resistive or digital
Power supply	12 V or 24 V nominal systems
Indicators	3 dead-front LEDs
Ingress protection	IP67 (front), IP64 (rear)
EMC	ISO 13766, SAE J1113-21
Operating temperature	-30 to +70 °C
Mounting	Flush / panel mount, 60 × 60 × 25.9 mm
Weight	48 g (1.7 oz)
Connector	8-pin TE Mini-Universal MATE-N-LOK

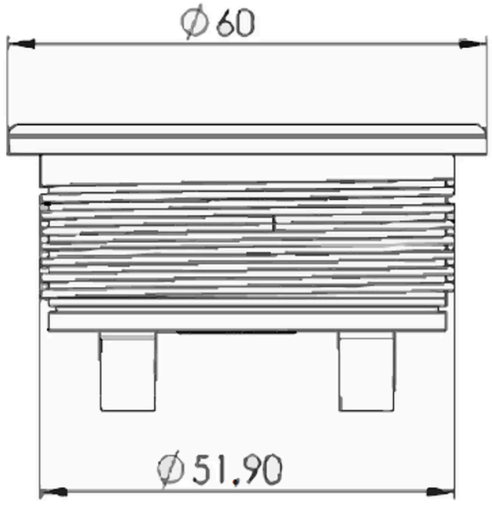
CONNECTOR PINOUT (J1)

Pin	Function	Notes
1	Configurable input	Voltage / digital / resistive

Pin	Function	Notes
2	Power	Battery +
3	Power	Ground
4	Configurable input	Voltage / digital / resistive
5	Configurable input	Voltage / digital / resistive
6	CAN	CAN High
7	CAN	CAN Low
8	Configurable input	Voltage / digital / resistive

DIMENSIONS (MM)





TYPICAL APPLICATIONS

Dewatering and trash pumps · PTO-driven equipment · Hydraulic power units · Fire apparatus pump panels

ORDERING

Part number	`ICDT-RPM-TSC1`
Order online	https://icdigitech.com/products/engine-speed-controller-tsc1.html
Sales & support	info@icdigitech.com

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