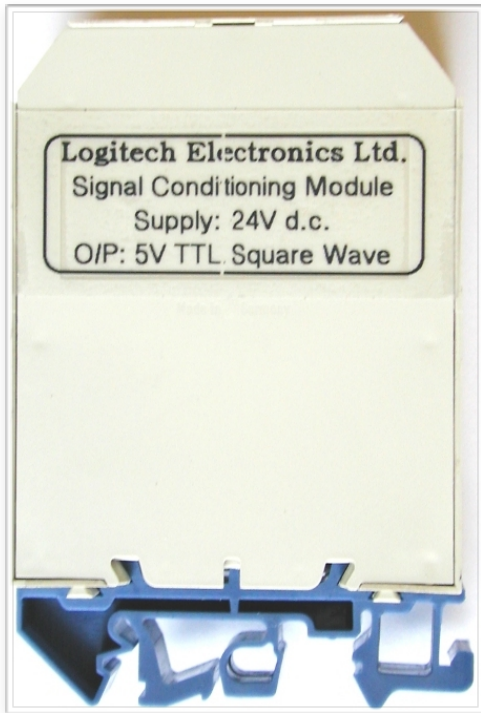


SCMTTL

Signal Conditioning Module

MPU to TTL compatible



Logitech instruments are available with analogue input and output module options for flexibility of end user installation, and to provide an easy interface to existing instruments and signal sources.

However, for end users with applications where a full instrument is not suitable, and only a low cost interface is required, we can supply a choice of modules for Frequency-to-Voltage conversion or for Signal Conditioning.

These are housed in compact DIN rail mounting enclosures to provide a rapid low cost method to interface between our Magnetic Pick-ups and Flowmeters, and your equipment.

Model **SCMTTL** is a signal conditioning module that converts the variable amplitude analogue input frequency signal to a 5V TTL compatible square-wave output signal. It is built as a compact, light weight modular universal mounting unit that can be clipped onto TS35 or TS32 DIN rails. Interconnections from the Magnetic Pick-up signal source to the module input, and from the module output to the user's instrument or control panel, are made via clearly labelled terminals.

The 24V DC power supply (clean) for the module itself is normally provided by the end user, however **Logitech** can provide a suitable power supply if none is available on the installation. Contact our Sales Office for details.

Sensitivity

This model has an input signal sensitivity adjustment that can be altered by the end user if necessary.

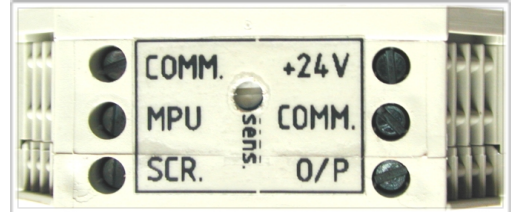
Modules are normally factory set to mid-range but adjustment is made via a potentiometer that is accessed through a Ø4mm hole in the top of the module in the centre of the terminal label.

With the target running at the minimum operating speed, start with the control set fully anti-clockwise (minimum sensitivity). If no value is shown on an instrument display or received by the interface, turn the control slowly clockwise until the signal is detected.

It is recommended that the sensitivity level is increased only as far as necessary to obtain a steady signal. This minimises the risk of detecting spurious signals.

Specification

Connections - 6-way terminals	1	Common
	2	MPU Signal in
	3	Screen
	4	+24V DC supply (clean)
	5	Common
	6	O/P configured as requested on purchase order



Power supply 24V DC @ 10mA nominal (operates between 7V to 30V DC, reverse polarity protected)

Signal input

Standard sensitivity 180mV to 10V (default factory build unless otherwise requested)

High sensitivity option 12mV to 1V (no cost option, must be specified when ordering)

Dimensions 90mm high x 23mm wide x 58mm deep

Weight 55g approx

Enclosure material Grey Polyamide 6.6

Operating temperature 0°C to +70°C

The design of this module is not suitable for unprotected use in adverse environmental conditions.

Please contact our Sales Office for information on other products.

MADE IN THE UK

Reliability, Guaranteed



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