# FPSI 1010-2 Dual Channel Panel Mounting LED Status Indicator

The FPSI 1010-2 consists of two channel 3-level voltage indicators. It is designed to be easily panel mounted. Each channel of the module compares an input voltage with a defined voltage window. The colour of the display shows whether the input voltage is below, within or above this window. The indicator is powered from a 7 to 24Vd.c. supply and provides a red-green-red bright LED indication over a 0 to 30Vd.c. measurement range. The user can easily set the colour switching thresholds. Hysteresis is built-in to avoid chattering at the colour switching thresholds. The module incorporates 1 trigger output per channel, allowing the user to drive external alarms or control one or two processes being monitored. A low power mode is available, whereby the module indicates the voltage level by flashing the relevant colour, instead of indicating solid colours. Connection is via screw terminals. The module features a rectangular plastic snap-in bezel, typically requiring a 24.6 x 12.4mm (0.97 x 0.49") cut-out.

### **FEATURES**

- Bright Red and Green Indication
- Separate 0 to 30Vd.c. Measurement Inputs
- 7 to 24Vd.c. Supply Voltage
- 2 User Programmable Thresholds per Channel
- 1 Control Output (Negative Logic) per Channel
- Snap-in Plastic Bezel
- Screw Terminal Connections
- Easy to Set up and Use



## **TYPICAL APPLICATIONS**

- Go No Go Indication
- Level Monitoring
- Alarm Indication
- Control

### **ORDERING INFORMATION**

	Stock Number
Standard Indicator	FPSI 1010-2

## **ELECTRICAL SPECIFICATIONS**

Specification	Min.	Тур.	Max.	Unit
Supply voltage (V + to 0V)	7.0		24.0*	Vd.c.
Supply current		40		mA
Input Voltage (Vin1 to 0V and Vin2 to 0V)	0		30	Vd.c.
Internal resolution (Channel 1 and Channel 2)		30		mVd.c.
Accuracy (overall error) (Channel 1 and Channel 2)		2		%
Temperature stability		100		ppm/°C
Hysteresis		2		%
Sample rate		4		Samples/sec
Operating temperature range	-30		50	°C
Input impedance (unscaled input Vin1 and Vin2)		1		kOhm
Output High Voltage (Alm1 and Alm2)	4.175		5.125	Vd.c.
Output High Current (Alm1 and Alm2)			1	mA
Output Low Voltage (Alm1 and Alm2)	0		0.6	Vd.c.
Output Low Current (Alm1 and Alm2)			1	mA

\* Operation of the indicator beyond the maximum supply voltage rating may cause permanent damage to the indicator.

### **SAFETY**

To comply with the Low Voltage Directive (LVD 93/68/EEC), input voltages to the module's terminals must not exceed 60Vdc. The user must ensure that the incorporation of the FPSI 1010-2 into the user's equipment conforms to the relevant sections of BS EN 61010 (Safety Requirements for Electrical Equipment for Measuring, Control and Laboratory Use).

Specifications liable to change without prior warning



# FPSI 1010-2 Dual Channel Panel Mounting LED Status Indicator





C. Appliestorrsi toro-2/