

# DIGRIN

## Modules for additional analogue I/O



**DIGRIN** is an electronic module for extending the number of analogue inputs for controllers.

DIGRIN module allows the simultaneous connection of different types of thermo resistances. It is equipped with three insulated channels.

DIGRIN module allows to connect 3 independent and galvanically isolated RTD PT100 type sensors.

This expansion module is available for DST4602, GC315, GC400, MC400, GC600, MC200 and HS315, using canbus connection. By means of a configuration switch it is possible to select the protocol type (i.e. J1939 or Ex-bus, Mecc Alte Smartech proprietary protocol).

Using J1939 protocol it is possible to use up to 2 expansion modules and with a maximum of 5 RTD sensors for measuring bearing and alternator windings temperature. On the other hand, using Ex-bus protocol it's possible to connect up to 16 modules.

It is possible to set thresholds of alarms and warnings for each temperature input with a time delay for activation.

### LED INDICATORS

Led on work	Led running (flashing indicates the device is operating)
Led remote	Indicates the communication is active
Led alarm out	Common alarm / warning sensors temperature
Led temp 1	Indicates alarm or warning sensor temperature 1
Led temp 2	Indicates alarm or warning sensor temperature 2
Led temp 3	Indicates alarm or warning sensor temperature 3

### THERMOCOUPLE

Type	Range Min	Range Max	Risoluz.	Mistake %
PT100	-70 °C	650 °C	0,1 °C	2 ‰

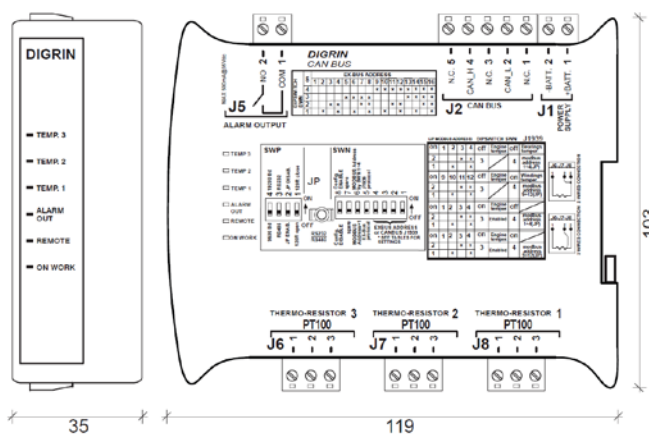
<b>Channel number</b>	3
<b>Sampling timing</b>	300 msec

### FEEDER

<b>Voltage feeder</b>	7÷32Vcc
<b>Current consumption</b>	100 mA (at 13V)
<b>Consumption</b>	Max 2,4 W
<b>Insulated</b>	1000 V

### ENVIRONMENTAL CONDITIONS

<b>Operating temperature</b>	-20°C +60°C
<b>Humidity</b>	From 30 to 90 %
<b>Temperature warehousing</b>	-20°C +70°C
<b>Protection degree</b>	IP 20



### DIMENSIONS AND WEIGHT

Height	103mm
Length	35mm
Depth	119mm
Weight	165g

If required, available tropicalized version for hazardous areas. Thermocouple input.