

## Manoswitch emulator

### General

The manoswitch emulator is used for emulation of a manoswitch. It emulates 4 different functions. By turning the knob at the instrument it emulates up to 4 different resistances of the manoswitch. The manoswitch emulator is connected by M8/F connector and inserting the terminator from the manoswitch at the instrument (M8/M).

The terminator resistance can be measured at the TP/1 connector.  
(Insert the terminator, measure the resistance at the TP/1 connectors with a multimeter).

Before using this instrument, check the control panel datasheet about the measurement of the low pressure input (manoswitch). Some control panels only measure if the wire to the manoswitch is disconnected; others measure for fault and "low pressure".

### Specifications

#### Operation

Temperature: -20°C to +70°C  
Connection: M8 female, 3 poles.

#### Environment

IP30

#### Material

ABS Plastic

#### Dimensions

LxHxW: 170x85x34 mm  
Weight: 0.25 kg

#### Measuring spec.

##### Position

- |    |  |
|----|--|
| 1: | <b>Low Pressure.</b><br>(Resistances value, depend. on terminator) |
| 2: | <b>Pressure ON.</b><br>(Resistances value, depend. on terminator)  |
| 3: | <b>Short</b>   |
| 4: | <b>Interrupt</b>   |

#### Enclosed

Terminator 5K6/470R

*Example of measuring "Low pressure" at control panel Sigma XT with terminator 5K6/470R inserted on M8/M socket.*

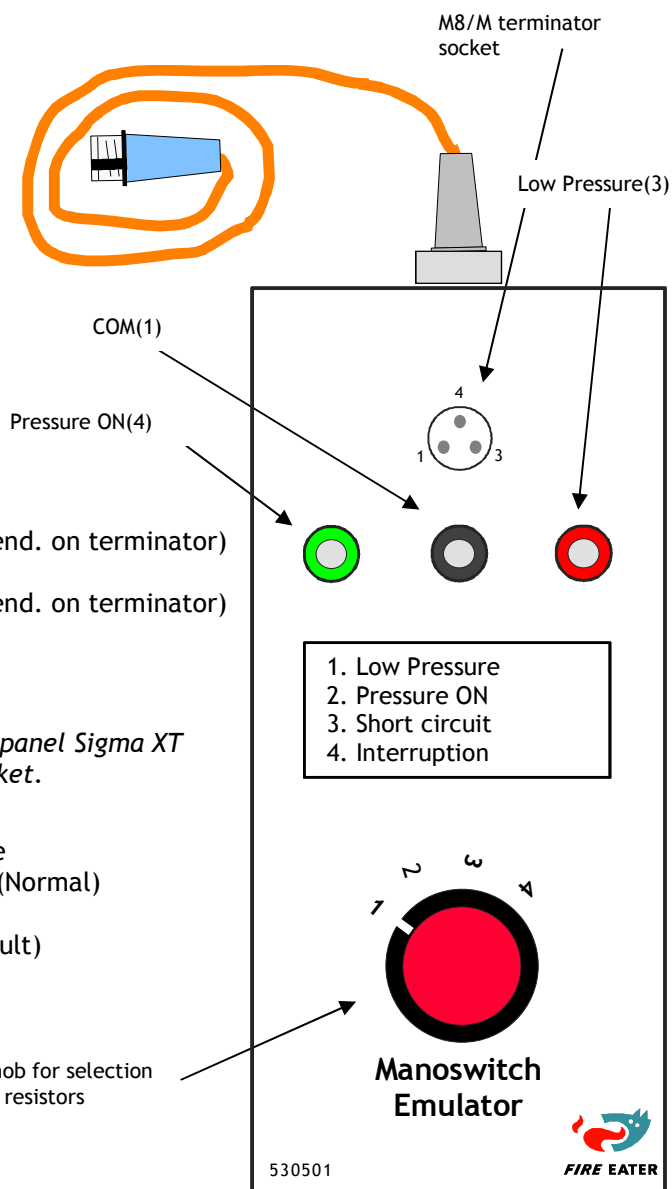
##### Position

- |    |           |                      |
|----|-----------|----------------------|
| 1: | 470 Ω     | Low pressure         |
| 2: | 5K6 Ω     | Pressure on (Normal) |
| 3: | 0 Ω       | Short (fault)        |
| 4: | Interrupt | Interrupt (fault)    |

### Markings

Fire Eater Logo  
Manoswitch Emulator  
Item number  
QC-label

#### TP/1 Connector



Document: 530501 Tool Manoswitch emulator.doc

Product:

Tool

Id: mrp

Rev: 21.01.09



**FIRE EATER** %

Vølundsvej 17  
DK- 3400 Hillerød  
Tel +45 7022 2769  
Fax +45 7023 2769

Text

1

2

3

4

5

6

7

8

9