AGD01

Flame Monitoring Unit

AGD01-Tly AGD01-TIx AGD01-DU

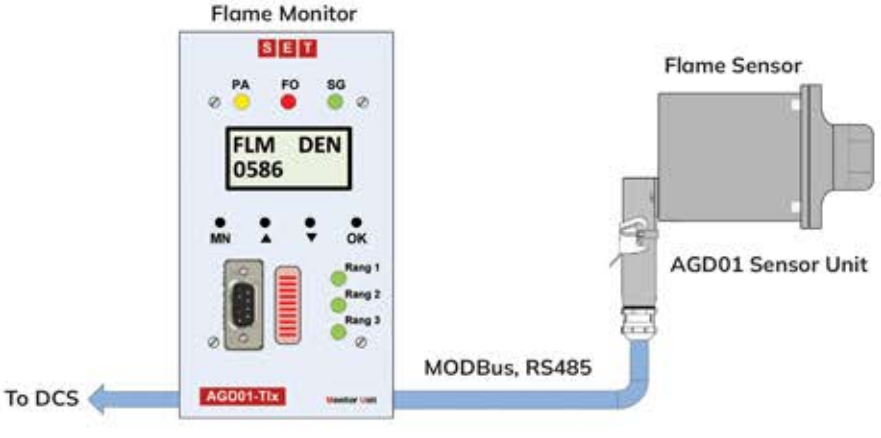
Self-Checking
And Fail-safe Monitor Unit
For AGD01 Sensor Unit

Functional Description

The AGD01 flame monitor analyses and displays the flame features which are sensed by flame sensor unit. The easy-to-read LCD display continually shows information on the defined setting and operational status. The flame intensity is present at a current output 4/0 ... 20 mA for further analysis. There are three types of monitors. These monitor units can connect to AGD01 flame sensor unit. Parameters of the flame monitor can be transmitted to a PC via a isolated RS232 interface.

Features

- For ambient temperatures from -20°C up to +60°C
- 2×8 character LCD display
- Various analog and digital output
- Three different settings for various burner modes



Applications

- Power stations
- Chemical industry
- Refineries
- Cement plants
- Waste incinerators
- Steam generators
- Heating plants

AGD01 Monitor Unit			
Operating voltage	24 V DC (or 115 ... 230VAC), inner electrical isolation	Dimension	TIx: 19" plug-in module, 14 HP Tly: 19" plug-in module, 12 HP DU: 19" plug-in module, 21 HP
Current consumption	Max 170mADC	Analogue output1	0/4 ... 20mA
Protection class	IP00	Analogue output2	0/4 ... 20mA (only AGD01-DU)
Ambient temperature range	-20 ... +60°C	Serial channel	RS232
Flame relay	SPDT (230 VAC, 2 A)	Safety time	1, 2, 3 , 4, 5, 6 S
Ready relay	SPDT (230 VAC, 2 A)	Sensitivity level	10 ... 100
Flame on level Flame off level	30 ... 90 25 ... 55	Configurable	Sensitivity, On/Off level and safety time with 2 input dry contact

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