# Hour meter 24 x 48 digital hours meters Type FSA





- 8 digit LCD display
- 8mm digits
- Reset button with locking function
- 8 years battery lifetime
- Electrical or manual reset input
- Setting time mode (through electrical control)
- · For front panel mounting
- 24x48mm housing

### **Product Description**

24x48mm hour meters for flush mounting. 10 to 260 V AC or DC input. The front key, which can be locked, allows fast and easy input reset. NPN input to set the time range (Mode) and to enable the device reset.

### Ordering Key

FSA 01 A12 85 0

Type ——— Time range	) —			
Housing — Backlight –				
Input type				
Stock items:	FSA01A12850 FSA02A12850	FSA01A12853 FSA02A12853		

# **Approvals**

# CE CALUS ROHS

#### **Backlight**

85	Without backlight
86	With backlight

#### **Time Range**

01	99999h 59m / 99999.99h	
02	9999h 59m / 9999999.9s	

## **Input Type**

	Type A	Type B
0	-	0÷0.7VDC NPN
1	-	4÷30VDC PNP
3	10÷260VAC/DC	10÷260VAC/DC

# **General Data**

Display	8 digits LED type	
Dimensions of digits	H 8mm/0.31"	
Viewing angle	frontal	
Colour of digit figures	X	
Power supply	Non-replaceable lithium battery (lifetime up to 8 years at 20°C)	
Backlight consumption	24VDC ±20% 5mA	
Operating temperature	-10+55°C/14151°F	
Storage temperature	-20+70°C/-4158°F	
Mounting position	Panel mounting	
Housing colour	RAL7021 (grey)	
Dimensions LxH	24x48 acc. to DIN 43700 STD	
Weight	50g/1.76oz	
Panel cut-out LxH	$22.2^{\tiny{+0.3}}\text{x}45^{\tiny{+0.6}}\text{mm/}0.87^{\tiny{+0.01}}\text{x}1.77^{\tiny{+0.02}}\text{"}$	
Protection degree	IP65 (front)	
Pollution degree	2	
emitted: immunity:	acc. to directive 89/36/ENG EN61000-6-3, EN550011 class B EN61000-6-2 EN61010 (AC version only)	

# **Measuring Specifications**

Time range FSA01 FSA02	99999h 59m / 99999.99h 9999h 59m / 9999999.9s	
Counting system	adding	
Counting system	programmable	
Reset Manual Electrical Pulse time	front push button rear input type0/1: <50ms type2: <16ms	
Reset key locking N.C. / High low level	locked active	



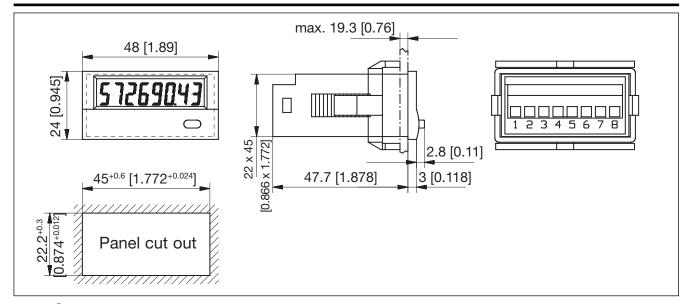
# **Input Specifications**

Voltage range	0÷30VDC (types 1 and 2) 0÷260VAC/DC (type 3)	
Switching level		
Type 0	Low: 0÷0.7V High: 3÷30V	
Type 1	Low: 0÷0.7V High: 4÷30V	
Type 3	Low: 0÷2V High: 10÷260AC/DC	

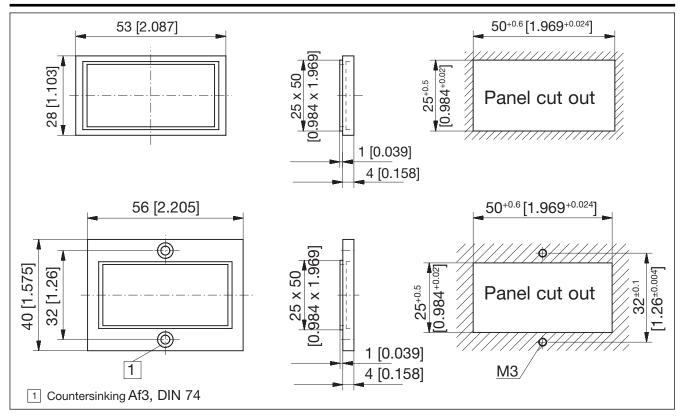
# **Package Content**

1	Instrument FSA
1	Panel mounting clip
1	Bezel for screw mounting (56x40mm/2.205x1.575"), panel cut-out (50x25mm/1.969x0.984)
1	Bezel for clip mounting (53x28mm/2.087x1.103"), panel cut-out (50x25mm/1.969x0.984)
1	Gasket
1	Multilingual operating manual

# Dimensions (mm/inches)

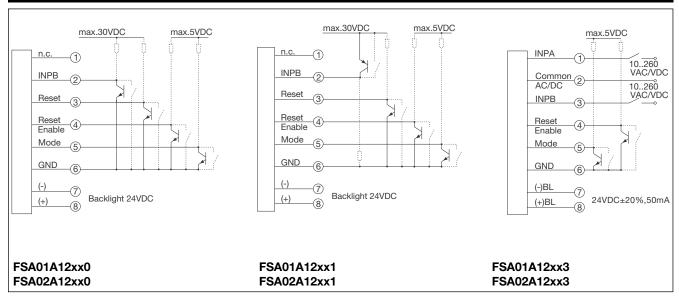


#### Bezel Dimensions (mm/inches)





#### **Connections**



# **Display**

FSA01	99999h 59m <b>999999</b> h 59m		
	99999.99h	99999-99	

9999h 59m 59s **99999**.9s **999999**.9s **999999**.9s