SEAGULL SAFETY

SINCE 1989

SS76-TX Gas Detector Transmitter   SIL 2 Approved

TYPE: SS76-TX

CERTIFICATION

ATEX: No. Baseefa11ATEX0116X

IECEx: No. IECEx BAS 11.0055X

Explosion proof and dust protection

⟨Ex⟩ II 2 GD Ex d IIC T4 Ta -20°C to +70°C Gb

Ex tb IIIC T135°C Ta-20°C to +70°C Db IP6X

SIL 2 Approval version
SIL 2 Approved certificate
C138_CT001 rev.2

Special Applications

Special applications include:

• Relay board substituted by another PC board allowing alternative functions / outputs.

• Alternative customer interface requirements

TECHNICAL SPECIFICATION

DETECTOR INPUTS
Catalytic / Pellistor
Infrared
Electrochemical
Photo Ionisation

ENCLOSURE
Aluminium or Stainless Steel

OUTPUTS
4-20 mA
Optional Relay Board
Optional HART Board

TEMPERATURE
 20 °C to + 70 °C

WEIGHT
2.3 kg (Aluminium)
3.2 kg (Stainless Steel)

SUPPLY VOLTAGE
8 to 32 VDC

MAXIMUM CURRENT CONSUMPTION
170 mA @ 24 VDC
250 mA @ 24 VDC with Relay Board
(all relays energized)

ENTRIES
Detector : 1 x M20 x 1.5P
Cable : 2 x M20 x 1.5P (2 x 3/4" NPT Optional)

DISPLAY
2 line, 16 Character OLED display

CALIBRATION
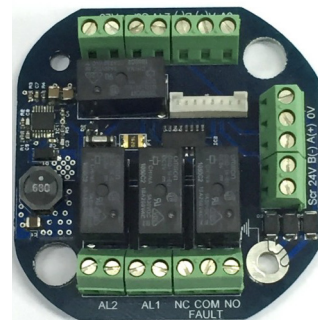Non-intrusive magnet calibration

HUMIDITY
0 to 95% RH, non-condensing

INGRESS PROTECTION
IP64 to IP66
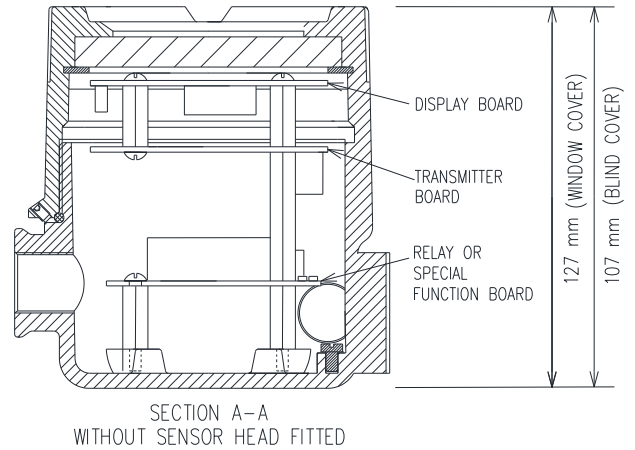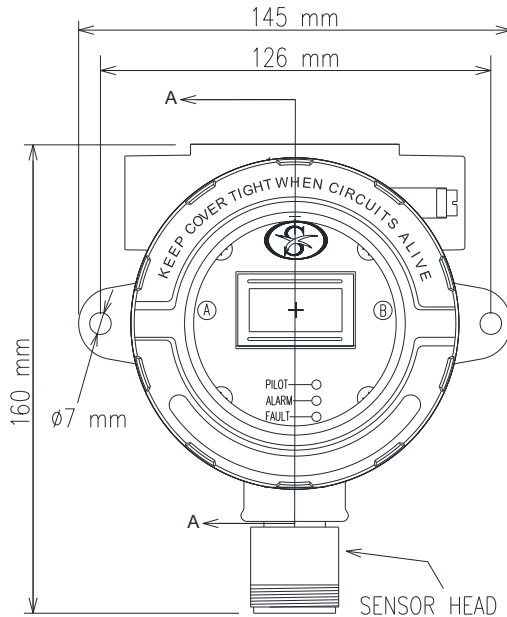Depending on type of water shield fitted
to detector head.

OPTIONAL RELAY BOARD
(Required for SIL 2 version)

RELAYS (contact type)
Alarm 1 (normally open)
Alarm 2 (normally open)
Alarm 3 (normally open)
Fault (changeover)

CONTACT RATING (resistive load)
Alarm Relays
5 A, 250 VAC / 30 VDC
Fault Relay
3 A (NC), 5 A (NO), 250 VAC / 30 VDC

Email: info@seagullsafety.com
www.seagullsafety.com

SS76-TX Gas Detector Transmitter — SIL 2 Approved

SECTION A-A
WITHOUT SENSOR HEAD FITTED

ORDERING INFORMATION

SS76-TX

TRANSMITTER VERSION

Code:
B : Standard
S : SIL 2 Approved

TYPE OF TRANSMITTER BOARD

Code:
CAT: Catalytic / IR board
ECC: Electrochemical board

RELAY BOARD

Code:
0 : Relay board not fitted
1 : Relay board fitted

ENCLOSURE TYPE

Code:
0 : Aluminium
1 : Stainless steel

GAS SENSOR HEAD TYPE

Refer to SS76-TX F-Series
Gas Sensor Head datasheet Table 1

EXAMPLE:

SS76-TX-B-CAT-1-0-FLEL1

Transmitter, standard version fitted with catalytic / IR board and relay board in aluminium enclosure.

Gas sensor head type:
standard catalytic - FLEL1