

Model

OWS-FL1

Features:

- Designed for use with SM Series FlowCon actuators
- Weatherproof: resistant to weather influences (UV due to solar radiation, protected against rainwater, temperature resistant, impact resistant, etc.)
- Lid fasteners sealable without accessories
- Box walls without knockouts

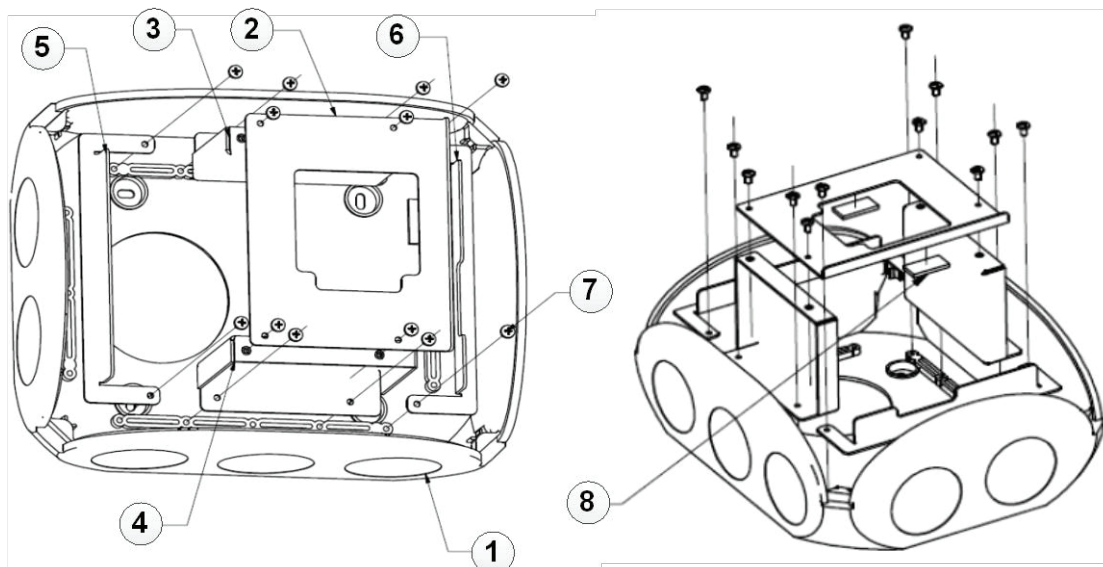


OWS-FL1

Technical Specifications

Description	OWS-FL1
Storage Temperature (enclosure only)	-25°C to +70°C [-13°F to +158°F]
Ambient Temperature (with actuator)	-10° C to +50° C [14° F to +122°F]
Weight	0.71 kg [1.6 lbs] without the actuator
Enclosure Materials	PC-GFS (glass-filled polycarbonate)
Enclosure Dimensions (W x H x D)	255m x 205mm x 112m (10in x 8in x 4.4in)
Enclosure Colour	Light grey (RAL7035)
Degree of protection	IP54 & IP66 in horizontal position or in vertical position with addition of silicone as detailed in "Non - Horizontal Mounting" on page 4

Outdoor Enclosure (OWS) Overview



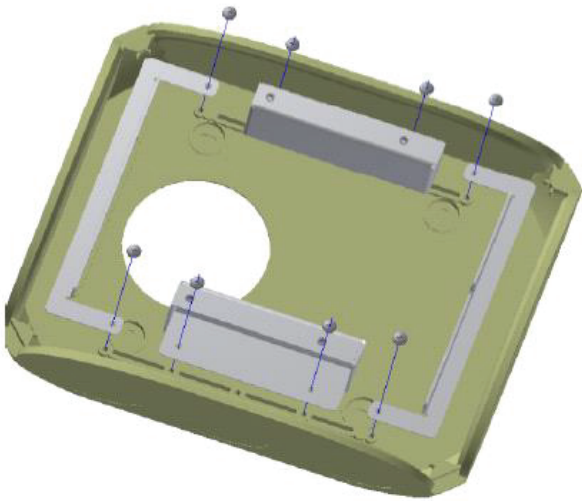
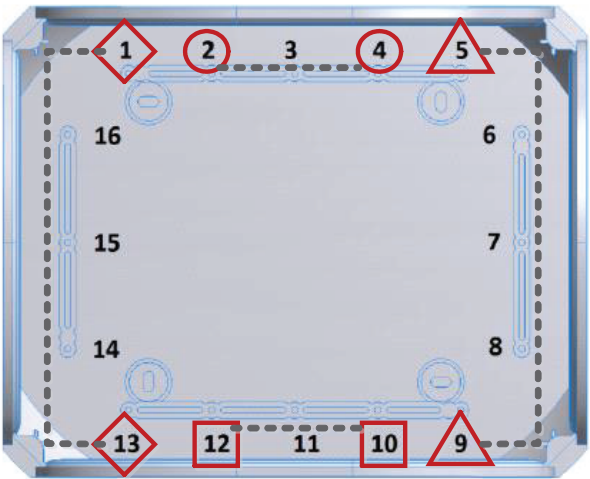
Parts List

Item	Qty	Part Number	Description
1	1	NP NEP781-M	Hensel Enycase Machined
2	1	NP NEP780-1	Top Bracket
3	1	NP NEP780-2	Left Side Bracket
4	1	NP NEP780-3	Right Rise Bracket
5	1	NP NEP780-4	Front Bracket
6	1	NP NEP780-5	Back Bracket
7	12	NP NEP174	6-32 x 1/4 Fillis Phil Rohs
8	2	SP 1012	GN22 Neopren Gasket 1" Cut
9	1	NP NEP165-1	LOCTITE® 5140 Silicone Tube

Assembling the OWS-FL1

1. Secure the metal brackets (front, back, right and left) using the fasteners provided, and holes in the bottom of the case. The required holes are identified in the table below.

Description	Legend	Holes	
Left Side Bracket		2	4
Right Side Bracket		12	10
Front Bracket		1	13
Back Bracket		5	9



2. Insert the SM Actuator between the brackets as shown below. Ensure that the actuator lays flat on the bottom case.



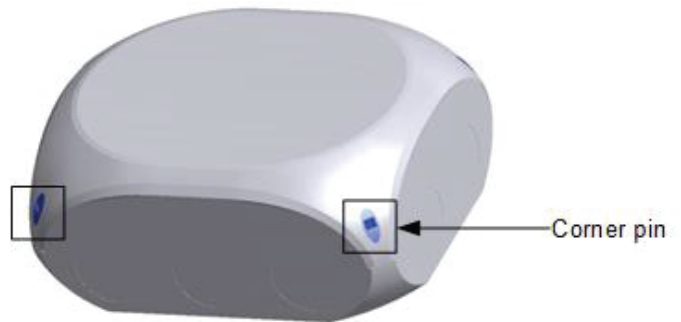
3. Remove the white film from the back of the protective Neoprene gasket (SP 1012) and stick them to the top bracket (NP NEP780-1).



4. Place the top bracket cover on the actuator so that the screen and buttons are accessible and secure with the fasteners.



5. Place the top cover on the housing and clamp into place. Seal the housing by locking the four corner latching pins using a slotted screwdriver.



Horizontal Mounting

This is the recommended method for installing the OWS-FL1 to maintain its weatherproof design.



Caution: Housing MUST be mounted in horizontal position only.

Caution: Actuator shaft MUST point down only.

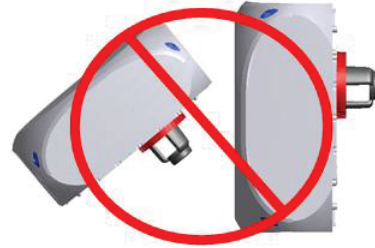
Failure to do so will prevent proper sealing of the housing from moisture and environment.



Non-Horizontal Mounting



Caution: Housing MUST be mounted in horizontal position only. If your mounting demands a non-horizontal position, generously apply a silicone gasket as detailed below.

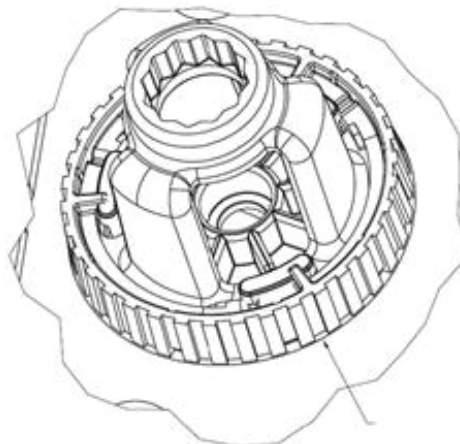
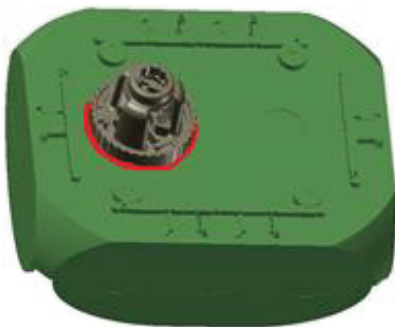


3x grooves in actuator casing



inside 3x groove

All around the inside groove



All around inside groove between the snap ring and housing

Silicone usage guidelines:

1. Carefully read the manufacturer's application instructions printed on back of the tube's label .
2. For best performance bond surfaces should be clean and free from grease.
3. Fully cure compound in a dry location for 24 hours at 22°C (77°F) | 50% RH. Full performance properties will develop over 72 hours. Moisture curing begins immediately after the product is exposed to the atmosphere
4. Excess material can be easily wiped away with non-polar solvents