

# Enclosures for HW, TW & XW 22mm Switches & Pilot Devices

#### **Features**

- Three compact sizes (mm): 76 x 76, 140 x 76 and 200 x 76
- Available in 1, 2, 3, 4 or 5 mounting hole configurations
- · Easy installation: panel, wall or frame mountable
- · Polycarbonate enclosure cover and base, stainless steel screws
- UL Listed, RoHS Compliant
- IP65 and Nema Type 4X rated (when installed with IP65 or Nema Type 4X unit)
- Class II electric shock protection (when installed with applicable unit)
- Ideal for high temperatures (-25 to 60°C) & corrosive environments







# **Specifications**

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	Ambient temperature —25 to +60°C (no freezi		
Operating Conditions	Relative humidity 45 to 85%RH (no condensation)		
	Storage temperature	-40 to +80°C (no freezing)	
	Degree of pollution	3	
Degree of Protection	IP65 (when IP65 switches & pilot devices are installed) NEMA Type 4X Indoor Use Only (when Type 4X switches & pilot devices are installed)		
Electric Shock Protection	Class II (when class II switches & pilot devices are installed)		
Material	Cover and base	Polycarbonate	
Material	Cover mounting screws	Stainless steel	
Applicable Switches & Pilot Devices	HW, TW and XW series switches, pilot devices & accessories (see note below)		
Weight (approx.)	76mm type: 125g (FB1W-111Z) 140mm type: 184g (FB2W-211Z) 200mm type: 243g (FB3W-311Z)		

Note: Choose switches, pilot devices and accessories that match the mounting hole centers, effective depth behind the cover, and the thickness of the cover where switches and pilot devices are installed (3 mm). Enclosures with 30 or 36mm mounting hole centers may limit the knob orientation of selector switches because the contact blocks can be mounted in one direction only on these mounting centers.

### **Enclosure Part Numbers**

Size (mm)	Description	Part Number	Distance Between Hole Centers (mm)
76 x 76 x 59.5	Enclosure 1 hole, Yellow	FB1W-111Y	-
	Enclosure 1 hole, Beige	FB1W-111Z	_
140 x 76 x 59.5	Enclosure 2 hole, Beige	FB2W-211Z	50
	Enclosure 3 hole, Beige	FB2W-312Z	30
200 x 76 x 59.5	Enclosure 3 hole, Beige	FB3W-311Z	50
	Enclosure 4 hole, Beige	FB3W-413Z	36
	Enclosure 5 hole, Beige	FB3W-512Z	30

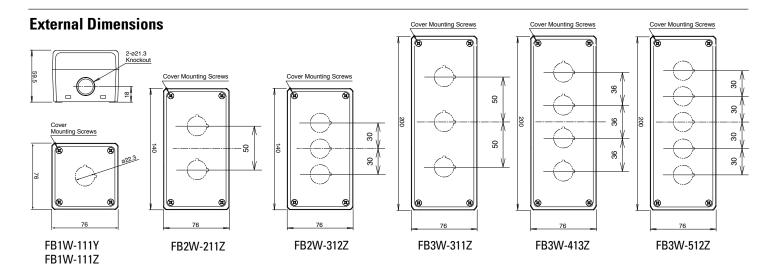
### **Accessories**

Description	Part Number	
Plug Adaptor 13.5mm	HW9Z-PG135	
Mounting Bracket	FB9Z-PK1	

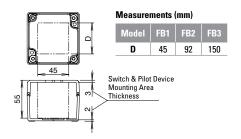
Note: Connectors and nuts are not supplied with accessories.

#### **Switch & Pilot Device Accessories**

Series	Description	Part Number	
	Nameplate	HWAM, HWAQ, HWAS, HWAV	
	Marking plate for nameplate	HWNP	
11047	Anti-rotation ring	HW9Z-RL	
HW Series	EMO switch guard	HW9Z-KG1, HW9Z-KG2 HW9Z-KG3, HW9Z-KG4	
	Switch cover	HW9Z-K1, HW9Z-K11	
	Pushbutton clear boot	OC-31, OC-32	
	Padlock cover	HW9Z-KL1	
<b>MA</b>	Nameplate	HWAV	
XW Series E-Stops	EMO switch guard	HW9Z-KG1, HW9Z-KG2 HW9Z-KG3, HW9Z-KG4	
L Otops	Anti-rotation ring	HW9Z-RL	
TW Series	Nameplate	NWA, NWAQ, NWAS-0, NWAL-0, NWAQL-0, NWAV	
	Anti-rotation ring	0GL-31	
	Metal button guard	OLW-C	
	Pushbutton clear boot	OC-31, OC-32	
	Button cover	0CW-11	
	Padlock cover	HW9Z-KL1	

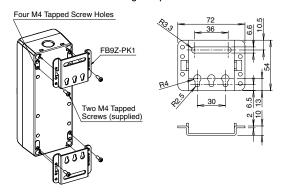


### **Internal Dimensions**

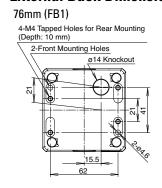


## Mounting

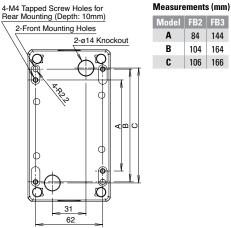
#### FB9Z-PK1 Frame Mounting Adapter



## **External Back Dimensions**



# 140 and 200mm (FB2/FB3)



84 144 В 104 164

106 166

All dimensions are in mm.

# **Mounting Hole Dimensions**

Model	FB1	FB2 50mm Mounting Centers	FB3 36/50mm Mounting Centers	FB2/FB3 30mm Mounting Centers
Shape		3.2		25



