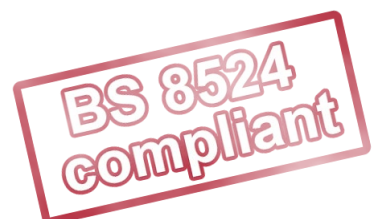# DATA SHEET - OBSTRUCTION WARNING SYSTEM (OWS-V)

STOCK CODE: 29182 (OWS-3)
29183 (OWS-3-BR)
29184 (OWS-5)
29185 (OWS-5-BR)

VERSION: Issue B – April 2018

coopers
EST. 1983

BS 8524 compliant

OBSTRUCTION WARNING SYSTEM (OWS-V)

PRODUCT DESCRIPTION

The Obstruction Warning System – monitors the opening protected by the fire curtain to ensure it is kept clear from obstruction. If the detection zone is obstructed, a warning device will be activated after 5 minutes. The time period can be adjusted, if required.

The OWS-V is compatible with both versions of Coopers Fire - Voice Warning Units (VWR and VWC). The Voice Warning unit will play the message "Warning, please remove obstruction" and the message will repeat until the obstruction has been removed.

NOTE: An audio/visual warning device MUST be used with the OWS-V to alert the occupants.

SPECIFICATION

Model	OWS-3	
Supply Voltage	24Vdc	
Current	60mA	
Output	Relay Contact	
Detection Method	Infrared	
Dimensions	230w*70h*44d (mm)	
IP Rating	54	
LED Indicators	Power =	GREEN
	Obstruction =	RED
Temperature	-20 to +60°C	
Weight	250g	
Installation height	2000-3000mm	

Model	OWS-5	
Supply Voltage	24Vdc	
Current	65mA	
Output	Relay Contact	
Detection Method	Infrared	
Dimensions	265w*61h*37.5d (mm)	
IP Rating	54	
LED Indicators	Power =	GREEN
	Obstruction =	RED
Temperature	-20 to +60°C	
Weight	250g	
Installation height	4700mm max.	

CONNECTION DETAILS

Black wire	-VE
Red wire	+VE
White wire	COM
Yellow wire	NO
Green wire	NC

INSTALLATION OPTIONS

Ceiling Mount Fix
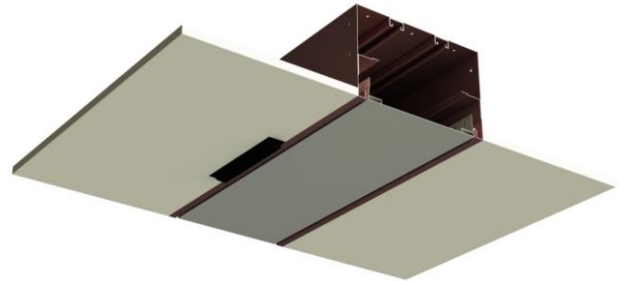
Parts Required: OWS-3 (Sensor)
Stock code: 29182
OWS-5 (Sensor)
Stock code: 29184

OWS-3-BR (Bracket)
Stock code: 29183
OWS-5-BR (Bracket)
Stock code: 29185

Face Fix

Parts Required: OWS-3 (Sensor)
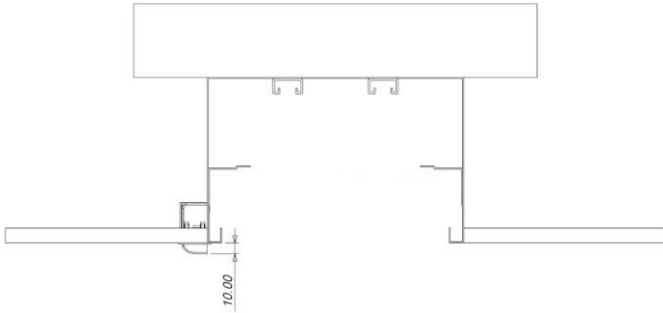Stock code: 29182

OWS-5 (Sensor)
Stock code: 29184

OBSTRUCTION WARNING SYSTEM (OWS-V)

INSTALLATION DETAILS

Ceiling Mount Fix

The OWS-V can be installed flush with a false ceiling as illustrated below. Clamps on the side of the bracket will hold the sensor in position.

A rectangular cut out of 245mm x 40mm will need to be inserted into the ceiling for the bracket to be fitted for the OWS-3.

A rectangular cut out of 280mm x 50mm will need to be inserted into the ceiling for the bracket to be fitted for the OWS-5.
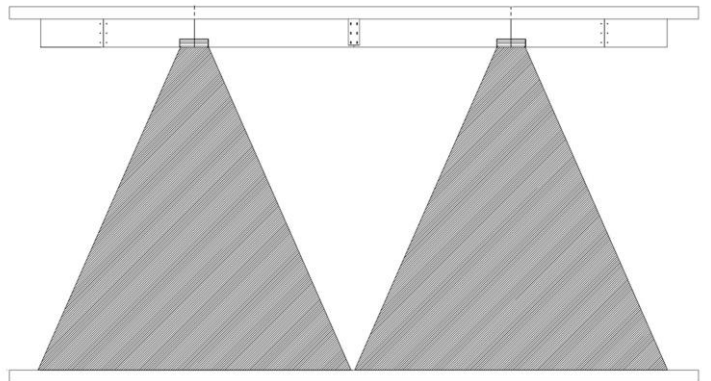
Face Fix

The OWS-3 can be installed face fixed to the side of the FireMaster® Concertina head box using two 3.9 x 11 SDST screws as illustrated below.
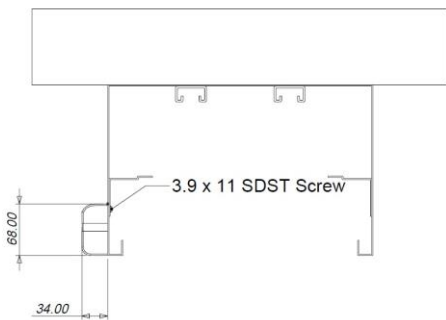
Installation locations

The OWS-3 should be installed at a maximum pitch of 2500mm around the FireMaster® Concertina™ head box and not closer than 1250mm to any angled sections of head boxing.

The OWS-5 should be installed at a maximum pitch of 4000mm around the FireMaster® Concertina™ head box and not closer than 2000mm to any angled sections of head boxing.