

# THORN

## Classroom Fix

The Thorn Classroom Fix Box has been designed to provide a simple, cost effective modular wiring solution for typical classrooms

- PIR or Microwave absence detection
- Independent whiteboard circuit
- Suitable up to 16 luminaires
- Window row dimming via photocell
- Dimmable circuit.
- Emergency Test facility

### Absence Operation

The box is wired such that upon entering the room the lights are manually switched on via a retractive switch. The PIR or Microwave detector will detect movement and keep all the lights on until the room is vacated after a set period of time, however the retractive switch must be used to switch the luminaires back on when re-entering the room. A DSI signal controls the window row of fittings and will dim them via the Daylight detector. A separate switch located close to the whiteboard is used to turn the whiteboard luminaire on/off independently. This can also be dimmed via a separate Switch dim circuit.



## Classroom Fix Absence Product Matrix

	SAP Code	SAP description	Description	Length	Mod Wiring component qty's		
					ABSENCE		
					9 ballast	12 ballast	15 ballast
Box	99057500	CLASSROOM FIX Box	Modular Wiring Box Type 2 - ABSENCE VERSION	-	1	1	1
SWITCH DROP LEADS	99054198	WSFL603PLR	6.0m Flying Lead with LRED connector - Emergency Key Switch	6m	see note 1	see note 1	see note 1
	99054200	WSFL603PPG	6.0m Flying Lead with PGREY connector - Switch-drop for Whiteboard Luminaire	6m	1	1	1
	99057496	WSFL603PB	6.0m Flying Lead with BLK connector (3 pole) - Switch Drop for Master On/Off for ABSENCE version	6m	1	1	1
4 POLE LEADS	99057540	P4 S4 4C 3M 1.5	3.0m Lighting Extender Lead 4 Pole plug to socket GST18/4	3m	7	9	11
	99057542	P4 S4 4C 5m 1.5	5.0m Lighting Extender Lead 4 Pole plug to socket GST18/4	5m	as required	as required	as required
6 POLE LEADS	99057543	P6B S6B 6C 3M 1.5	3.0m Lighting Extender Lead 6 Pole plug to socket GST18/6	3m	2	3	4
	99057545	P6B S6B 6C 5M 1.5	5.0m Lighting Extender Lead 6 Pole plug to socket GST18/6	5m	as required	as required	as required
4 to 6 POLE LEADS	99057546	P4 S6B 4C 3M 1.5	3m Lighting Extender lead, 4 Pole WHT plug GST18/4 to 6 Pole BLK/BLUE	3m	1	1	1
	99057547	P4 S6B 4C 5M 1.5	5m Lighting Extender lead, 4 Pole WHT plug GST18/4 to 6 Pole BLK/BLUE	5m	as required	as required	as required
LINK PLUGS	99057310	WSEMERGSHRT	3 Pole GST18i plug (light red) - linked inside to short out Emergency Test Facility on box	-	see note 2	see note 2	see note 2
ABSENCE DETECTORS	99057497	WSEBDSPIR-PRM606PBG	EBDSPiR-PRM Presence/Absence detector with 6 Pole 6m lead	6m	1		
	99057498	WSMWS3-DD606PBG	MWS3-DD Microwave detector with 6 Pole 6m lead	6m		1	1
PHOTOCELL	99056840	WSEBDSPIR-DD306PBBPC	Vitesse Photocell (digital DSI dimming output) with 4 Pole 3.0m lead	3m	1	1	1

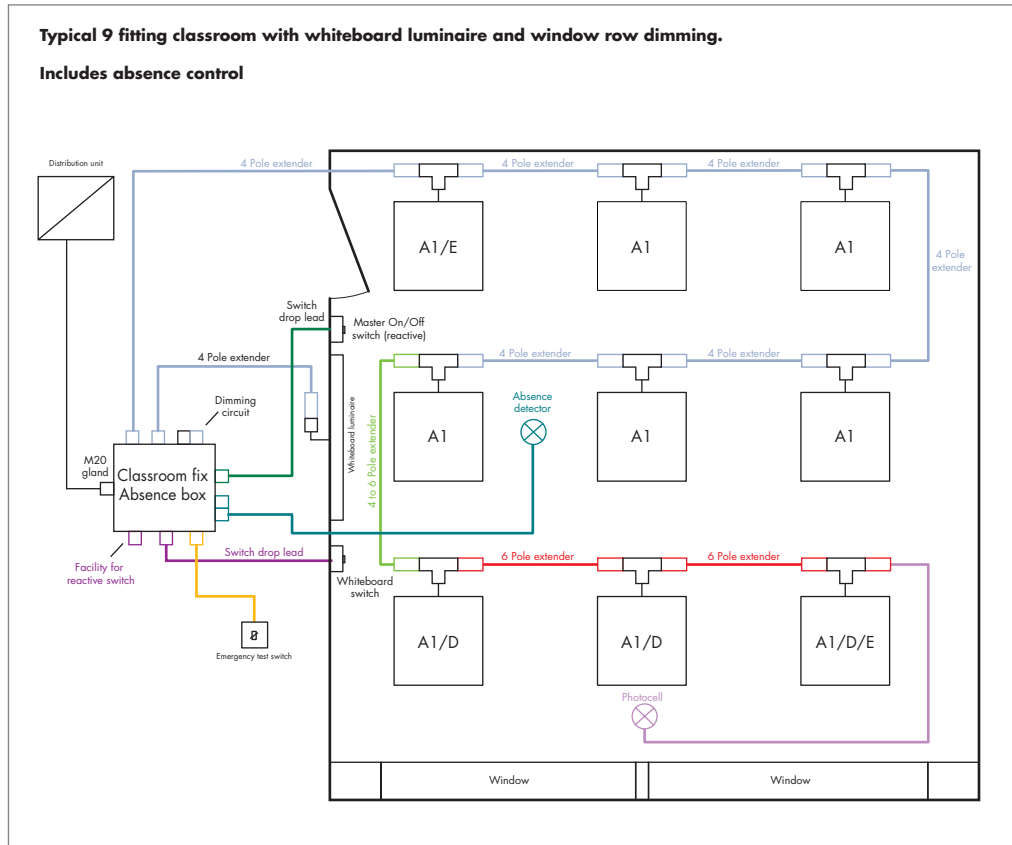
**ALL LEADS USE WIELAND GST18/4 OR GST18/6 STYLE PLUG AND SOCKET CONNECTORS. LIGHTING EXTENDER LEADS ARE COMPATIBLE WITH ALL RECESSED LUMINAIRE TYPES WITH EITHER WL4 OR WL6 IN THE DESCRIPTION.**

**IMPORTANT.....All fixed output luminaires require a 4 pole "T" piece (DSI luminaires inc a 6 pole T)**

**Note 1**  
Item only required if Key Switch being used.

**Note 2**  
Link plug required if E3T or E3TX Emergency fittings used.

**Note 3**  
Dimming circuit available for whiteboard control if required.



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