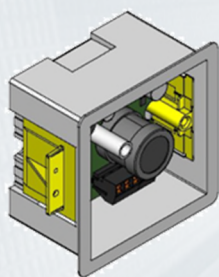
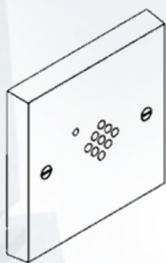


New Refrigerant Leak Detection Sensor Power Supply

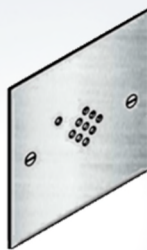
TOSHIBA are pleased to announce specification change for TCB-LDS1 and TCB-LDS2 refrigerant leak detection sensor now supplied with 12 volt power supply transformer TCB-LD12V and cable kit to comply with EN 378-3: 2016.



Flush Mount Electrical BOX (not supplied)



TCB-LDS1 (white plastic fascia)



TCB-LDS2 (stainless steel fascia)



TCB-LD12V (12 volt power supply)

1. Line Up

Model	Description	Retail Price
TCB-LDS1	Room Leak Detection Concentration Sensor with White Faceplate (inc. remote 12v Transformer)	£540
TCB-LDS2	Room Leak Detection Concentration Sensor with Stainless Steel Faceplate (inc. remote 12v Transformer)	£566
TCB-LD12V	Room Leak Detection Transformer 12v & Cable Kit	-

TCB-LD12V retail price is £165

2. Availability

April 2019

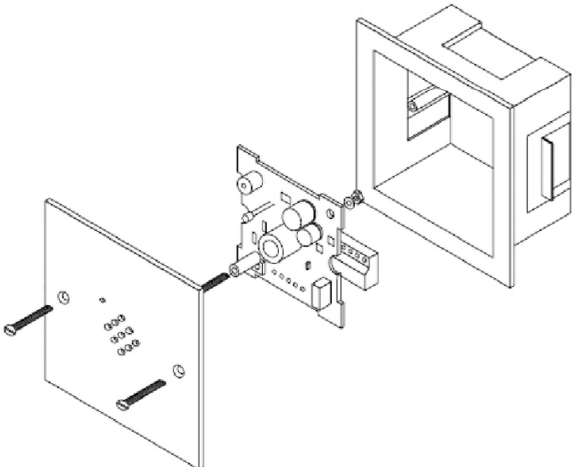
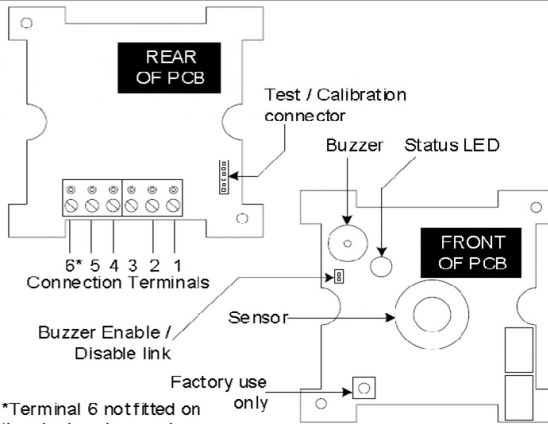
3. New Features

- Independent power supply to comply with EN 378-3: 2016.
- Remote mounted 12 volt transformer complete with enclosure.
- 10m connection cable.

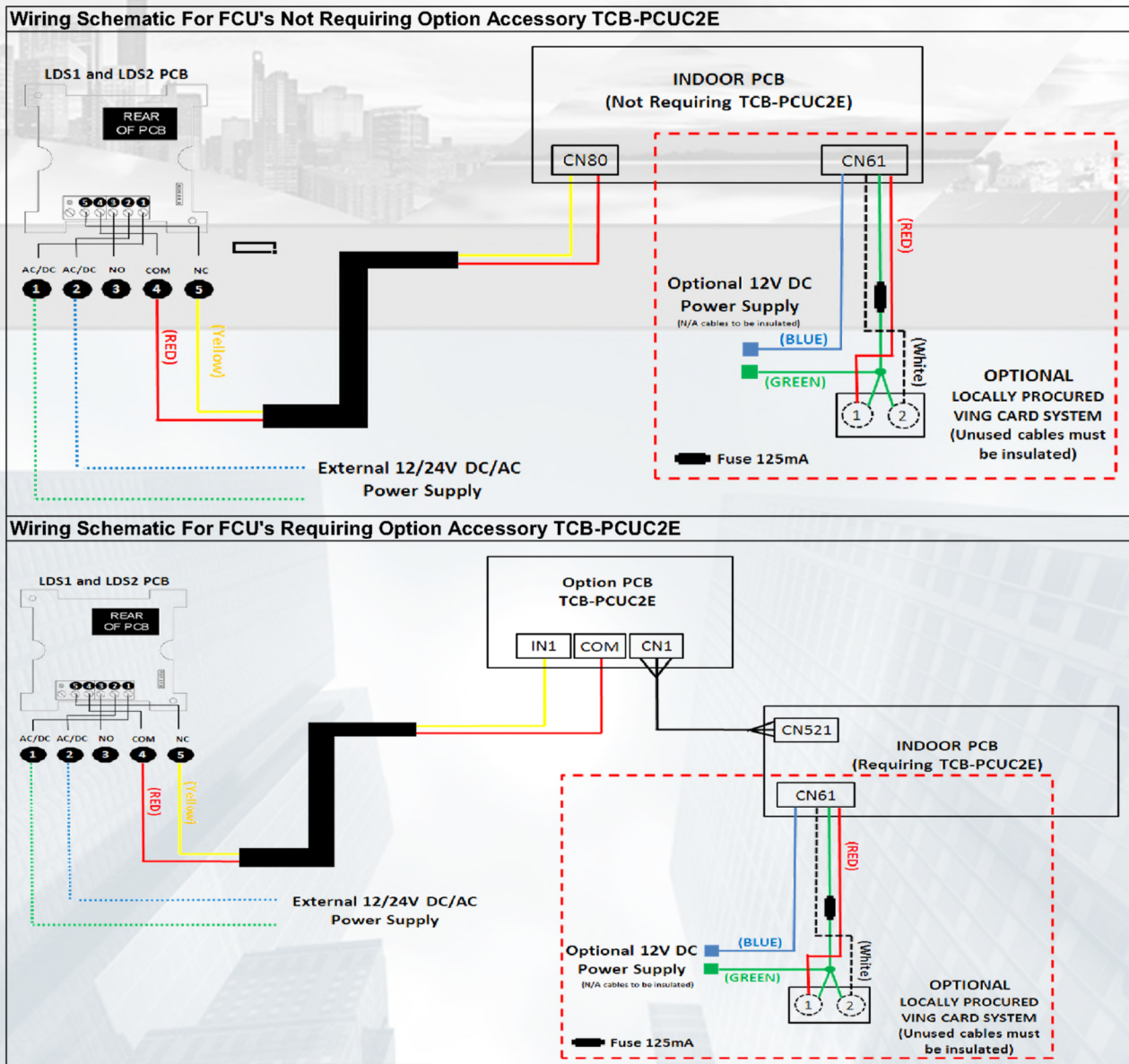
4. Specifications

Refrigerant Leak Detector		TCB-LDS1	TCB-LDS2
Enclosure		Plastic	Steel
Colour		White	Stainless
Colour Cost Option Upgrade	Various	Fascia Plate	Fascia Plate
Height	mm	85	85
Width	mm	85	85
Depth	mm	32	32
Weight	kg	0.085	0.085
Audible Alarm		Yes	Yes
Audible Alarm Sound Level dB		85 (2300 Hz \pm 300)	85 (2300 Hz \pm 300)
Alarm Mute		Powered OFF	Powered OFF
Visual Indicator (Neon)		3-coloured LED	3-coloured LED
Fault Code Generated To Local Remote Controller		L30	L30
Interconnecting Multi-core Cable Length/Fused	m	10/Yes	10/Yes
Interconnecting Cable Type Remote Indication	mm ²	0.75 multi-core	0.75 multi-core
Power Supply	Volts	12-24 AC/DC	12-24 AC/DC
Power Consumption Min./Max.	mA	40/100	40/100
Circuit Protection Fuse Supplied With Cable	mA	125	125
Cable Link For Remote ON/OFF (Ving Card)		Yes	Yes
Screw Terminal Connections		5	5
Fail Safe Relay Operation		Yes	Yes
Mounting Height Above Floor Level mm		150~250	150~250
Fixing Box Part Number (Sold Separately)		TCB-LDSBB1	TCB-LDSBB2
Fixing Method - (Type)		Flush dry lining - (Plastic)	Flush mount - (Metal)
Fixing Box Size H x W x D mm		86 x 86 x 46	68.3 x 68.3 x 47
12 Volt Transformer Location		Remote	Remote

5. Installation

Mounting Method			Electrical Connections			
The TCB-LDS1/2 is intended to be mounted within a single gang back box, wall box. A minimum depth of 45mm is required to suite all variants.			PIN No.		Usage	Note: In accordance with BS EN 378:2016 the leak detector MUST be connected to a separate power supply breaker than that of the indoor unit (FCU).
Model Name	TCB-LDSBB1	TCB-LDSBB2	1	Power (V1)	12 > 24v AC / DC	
Mounting Method	Flush - Dry Lining	Flush - Wall (concrete)	2	Power (V2)		
Mounting Depth	46mm	47mm	3	Relay (NO)		
Height	86mm	68.3mm	4	Relay (C)		
Width	86mm	68.3mm	5	Relay (NC)		
Material	Plastic	Metal	PCB Layout (Front & Rear View)			
 <p>Example: LDS2 with LDSBB1</p>						
			<p>*Terminal 6 not fitted on the single relay version</p> <p>Sensor Testing</p> <p>Measure the Gv voltage on the testing connector (Pins 1 & 4) as shown above.</p>			

6. Wiring Schematic



For further information please contact our customer support team on [0870 843 0333](tel:08708430333), your local representative, your supplier of **TOSHIBA** products or email any enquiries to: - general.enquiries@toshiba-ac.com