



Clifford & Snell

# Yodac SD/FD40

Multi-purpose Visual Signalling  
Devices designed for use in  
Commercial & Light Industrial  
applications to offer local Multiple  
Status indication.

## PRODUCT FEATURES

- LED Long Life Array
- Low Current Consumption
- IP65 as Standard
- Flame Retardant ABS Back Box
- UV Stable Polycarbonate Lens
- Lens available in Eight Colours
- Red Multiple Back Box Configuration
- Robust, reliable and simple to install
- Modular Signal Flexibility
- Acoustic option available



## Product Approvals



## Additional Acoustic Approval (Sounder unit only)



BS EN 54-3 : 2001 incorporates  
amendment A1 : 2002 + A2 : 2006

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Issue 1

# TECHNICAL DATA

Electrical Data	
Operating Voltage	Current Draw
24vDC ---	34mA Max per unit

Mechanical Data	
Enclosure Material	ABS FR UL94 5VB
Lens Material	PC FR UV Stable UL94 HB
External Fixings	Stainless Steel
Degree of Protection	IP65 (IEC60529)

Ambient Conditions	
Operating Temperatures	
Standard General	-20 °C to +70 °C
Storage Temperature	-40 °C to +70 °C
Max. Relative Humidity	90% at 40 °C

**Line Integrity on DC Systems**  
 Monitoring via reserve polarity end of line resistance. Minimum 3K3 Ohms  
 0.5 Watts wire wound or metal film type.

Luminous Characteristics	
Array Type	12 High Brightness LEDs per Array
Flash Rate	60/120 FPM user selectable for FD40 versions or Static (Steady on) for SD40 versions
Lens Colours	Amber, Yellow, Red, Green, Opal, Blue, Magenta, Clear

## Mounting / Installation

The LED Beacons & Sounder option are ordered & supplied as separate items to the back boxes. The final configuration of back boxes & sounder/beacons is determined at the installation stage. The modular back boxes should be mounted to a suitable flat wall, bulkhead or conduit box (for single units), avoiding areas of undue vibration and using the internal fixing point options. Always use the mounting gaskets supplied. The installation is completed by fitting each unit onto the back box. To maintain the IP rating of the enclosure the cable entries must be fitted with a suitably rated cable gland (Not Supplied). Max cable termination 2.5mm<sup>2</sup>.

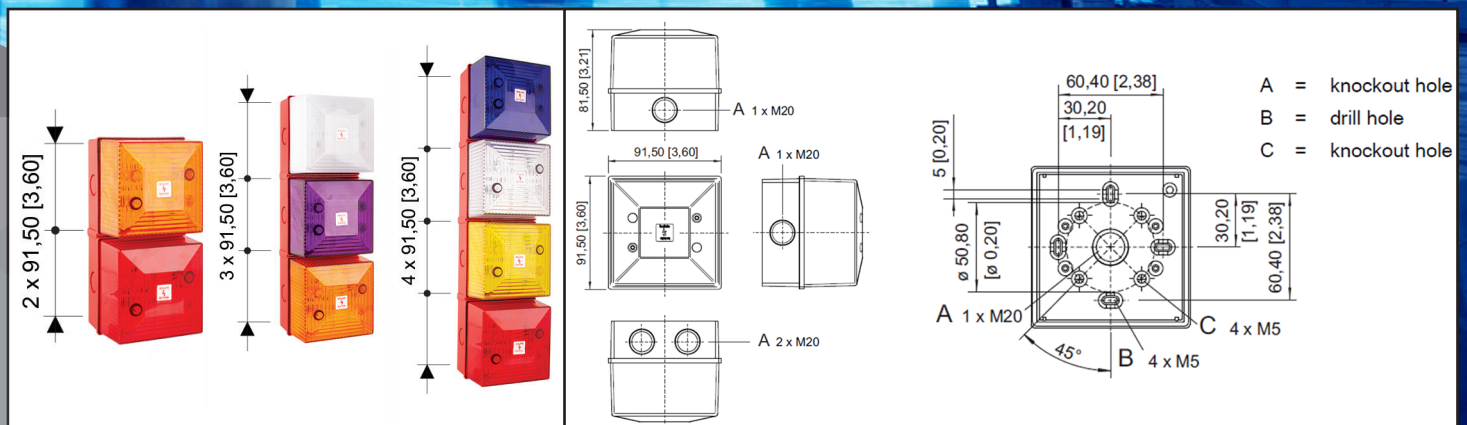
## Multiple Modular Control

These devices are purchased as modular assembly kits & by combining various coloured Beacon heads, either Flashing (FD) or Static Type (SD), offers great Visual Status flexibility. The modular assembly allows for the addition of a YA40 Acoustic Signal if required. The SD40 units will require external input signals or PLC control to switch visual functions (not supplied) from pre-set static mode or to activate the YA40 audible unit. A common 0v line can be linked between multiple head units in an assembly but separate positive supply lines are required to power each unit.

## Dimensional Drawing

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.

All Dimensions in mm [inches] - Subject to alterations







## ORDERING

## FD40 &amp; SD40 Ordering

Ordering of units is done in 2 steps.


















Step 1	Choose a suitable Single, Double, Triple or Quadruple Back Box from Table 1.
Step 2	Choose relevant Beacons or Sounder from Table 2 (sufficient to fully populate chosen Back Box).

TABLE 1

Back Box Configuration	Enclosure Colour	Description	Art. No.	Weight (kg)
	Red Normal (RN) RAL 3001	Single Back Box RN	212886	0.054
	Red Normal (RN) RAL 3001	Double Back Box RN	212887	0.122
	Red Normal (RN) RAL 3001	Triple Back Box RN	212888	0.179
	Red Normal (RN) RAL 3001	Quadruple Back Box RN	212889	0.236

## SELECTION

TABLE 2

Version	Rated Operational Voltage	Lens Colour	Order Number	Art. No.	Weight (kg)
Visual Flashing Signal LED Series FD40	24vDC --- (12-28.5vDC)	Amber	 FD40/D00/A/12	212898	0.107
		Red	 FD40/D00/R/12	212899	0.107
		Green	 FD40/D00/G/12	212900	0.107
		Opal	 FD40/D00/O/12	212896	0.107
		Blue	 FD40/D00/B/12	212901	0.107
		Clear	 FD40/D00/C/12	212897	0.107
		Yellow	 FD40/D00/Y/12		0.107
		Magenta	 FD40/D00/M/12		0.107
Visual Status Signal LED Series SD40	24vDC --- (12-28.5vDC)	Amber	 SD40/D00/A/12	212892	0.107
		Red	 SD40/D00/R/12	212893	0.107
		Green	 SD40/D00/G/12	212894	0.107
		Opal	 SD40/D00/O/12	212890	0.107
		Blue	 SD40/D00/B/12	212895	0.107
		Clear	 SD40/D00/C/12	212891	0.107
		Yellow	 SD40/D00/Y/12		0.107
		Magenta	 SD40/D00/M/12		0.107
YA40 Sounder for use in multiple units only	24vDC --- (12-28.5vDC)	 YA40/D	YA40/D	212492	0.153