SET-DFPN - DAYLUX DLCS FACEPLATE

INSTALLATION INSTRUCTIONS

WARNING. This product should only be installed by a qualified electrician in accordance with the latest edition of the IET wiring regulations and this instruction leaflet.

The faceplate is designed to fit onto either a surface or recessed single, dual or four gang back box with a minimum depth of 28mm. The procedure below assumes you are installing a 7 button faceplate, the wiring is the same regardless of how many buttons or how many gang(s) are on the faceplate.

STEP 1.
Mount or recess the back box in/on the wall at the required location as appropriate.

STEP 2.
Feed network cable(s) into back box.

STEP 3.
Ensure the output device is powered off before proceeding to make the following connections.

Wire to the 'Local' area network on the nearest associated output device i.e. SET-DDC1, SET-DDC2 etc.
In accordance with the following diagram and connection details. (See Page 2 & 3).

Wire the continuation of the 'Local' area network to other input devices such as further SET-DFP's etc. if required.

STEP 4.
Set network termination - It is necessary to terminate each end of the 'Local' area network. This is achieved by fitting a jumper link across both terminals on the PCB header. (See connection diagram on page 2). If the SET-DFP is the only or last input device on the network, then this link should be fitted, if not then make sure that the link is fitted on one terminal only.

STEP 5.
The faceplate is supplied pre-configured to allow control of scenes 1 to 4, plus raise, lower and off. This configuration can easily be changed to allow control of scenes from 5 to 16 in 'banks' of four scenes by operating a set of DIP switches. See table below for further details. The last two sets of switch settings allow two 'banks' of scenes to be selected together for when two gang faceplates are being used.

STEP 6.
Test basic functionality by operating the buttons on the faceplate. The DLCS output device which the faceplate is connected to has factory set defaults which will enable it to operate with simple functionality without the initial requirement of setup, programming or commissioning.
Further functionality can be achieved by following the setup procedure detailed in the 'Daylux DLCS User Guide' and the 'SET-DFP User Guide'.

The factory default settings if a light level sensor is connected to the same system as the faceplate are:-

Scene 1 = Automatic (Daylight linked). Output Level = High
Scene 2 = Automatic (Daylight linked). Output Level = Low
Scene 3 = Manual (Switch Controlled). Output Level = High
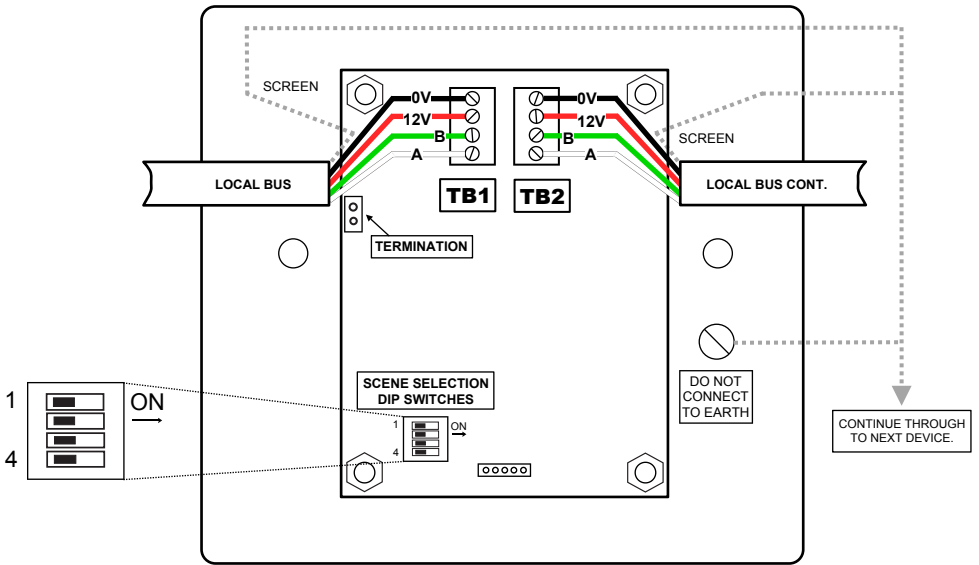Scene 4 = Manual (Switch Controlled). Output Level = Low

If a light level sensor is not fitted, then Scene 1 & 2 are as per Scenes 3 & 4 above.

The '$\wedge$' button increases a selected scenes' output level and the '$\vee$' button decreases a selected scenes' output level.

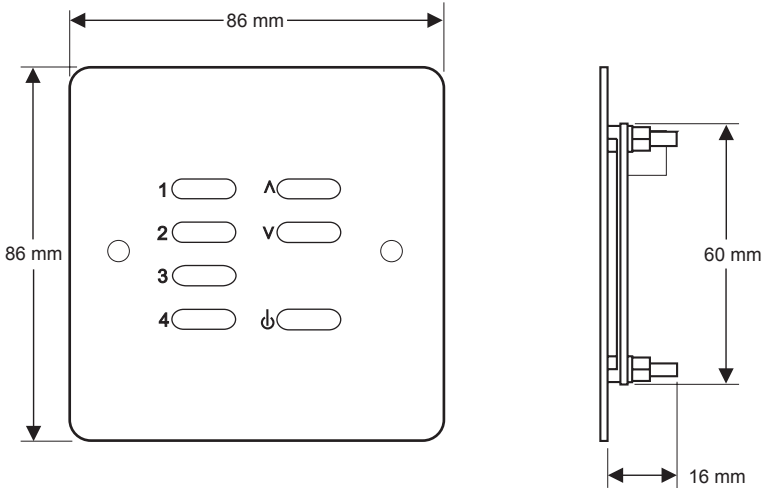The '$\bigcup$' button will turn all lighting off.

For further details on the operation of the SET-DFP faceplate, please see the 'Daylux DLCS User Guide' and the 'SET-DFP User Guide'.

1	2	3	4	Scenes Selected
OFF	OFF	OFF	OFF	1 to 4, Up, Down & Off
ON	OFF	OFF	OFF	5 to 8, Up, Down & Off
OFF	ON	OFF	OFF	9 to 12, Up, Down & Off
ON	ON	OFF	OFF	13 to 16, Up, Down & Off
OFF	OFF	ON	OFF	1 to 4 & 5 to 8
ON	OFF	ON	OFF	9 to 12 & 13 to 16

CONNECTION DIAGRAM.

SCREEN

0V
12V
B
A

TB1 TB2

0V
12V
B
A

SCREEN

LOCAL BUS

LOCAL BUS CONT.

TERMINATION

DO NOT
CONNECT
TO EARTH

CONTINUE THROUGH
TO NEXT DEVICE.

1

ON

4

SCENE SELECTION
DIP SWITCHES

1
4

ON

DIMENSIONS.

86 mm

86 mm

1
2
3
4

∧
∨
⏻

60 mm

16 mm

CONNECTION DETAILS.

Connections should be made to the relevant connectors based on the requirements of the system design/specification.

TB 1
RS485 Local Network Bus connector.

Local Bus connection. For connection to 'Local' networked output devices such as a SET-DDC1 or SET-DCC2 etc. Sleeve the 'screen' from this cable with green/yellow earth sleeving and terminate in the earth terminal post provided on rear of the faceplate.

TB 2
RS485 Local Network Bus connector (continuation).

For continuation of the 'Local' bus connection to other networked input devices such as other SET-DFP type faceplates, SET-DCI's etc. Sleeve the 'screen' from this cable with green/yellow earth sleeving and terminate in the terminal post provided on rear of faceplate.

EARTH CONNECTION
Screw terminal post.

Connect 'screen(s)' from the cable(s) connected to TB 1 / TB 2 here. **Note: Do not connect to 'Mains Earth' as this connection will be made at the output device on the same network as this faceplate.**

Technical Data.

Supply Voltage: 12v D.C. from output device.

Total Power consumption: 0.18 Watts (Peak). Typical = 0.12 Watts.

Local Network: RS485. Max. 4 x Input Devices. (SET-DFP's, SET-DIR's, SET-DMI's, SET-DCI's etc). This device counts as one of the four input devices allowed on the 'Local' network.

Network Cable Specification: 4 x core shielded twisted pair such as Setsquare SET-D4TP100-MC, Belden 8723 or equivalent. Please Note: SET-D4TP100-MC cable can be run in the same containment as mains wiring carrying 600v and is also LS0H.

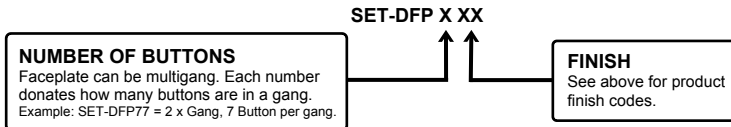**Dimensions:** L=86mm x W=86mm x D=16mm (single gang).

Weight: 108 grams.

I.P. Rating: 40. (I.P. 51 If sealed to wall/backbox using a proprietary silicon sealant).

Operating Temperature: 0-40°C.

Finish: PW = Prime White (Matt White). SS = Satin Stainless. PS = Polished Stainless. SC = Satin Chrome. PC = Polished Chrome. SN = Satin Nickel. PN = Polished Nickel. SB = Satin Brass. PB = Polished Brass.

Faceplate Product Codes: Faceplate product codes are made up as follows:-

SET-DFP X XX

NUMBER OF BUTTONS
Faceplate can be multigang. Each number donates how many buttons are in a gang.
Example: SET-DFP77 = 2 x Gang, 7 Button per gang.

FINISH
See above for product finish codes.

WARNING

This product contains electronic devices.

Do not perform any high voltage tests on this product or to any equipment connected to it. Mains connections can be high voltage tested in accordance with BS 7671:2008, IET Wiring Regulations 17th Edition section 612.3.3.

The DLCS SET-DFP is part of a range of energy conservation products available from Setsquare. This apparatus maybe turned on by high powered RF interference and should not be installed near pager aerials or Inductive loop equipment. It will recover when the RF ceases.

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SET-DFP Installation Instruction 19/04/2016
DS296-3