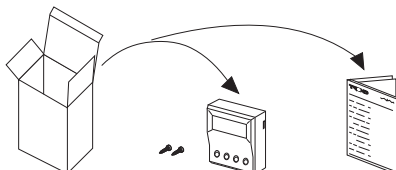


Important: Retain these instructions

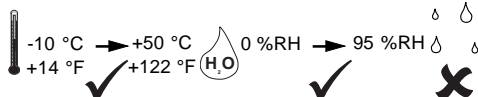


UNPACKING



RD-IQL Installation
Instructions TG200576

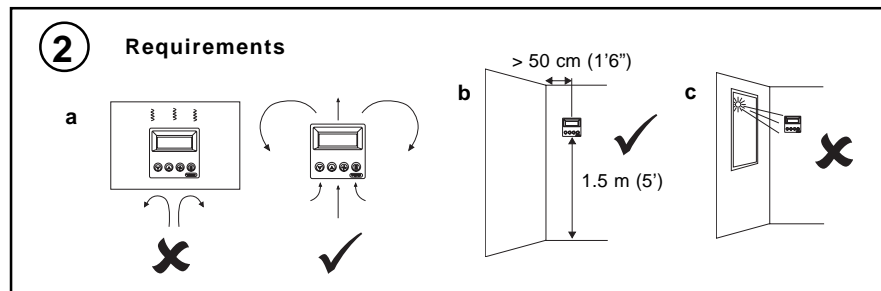
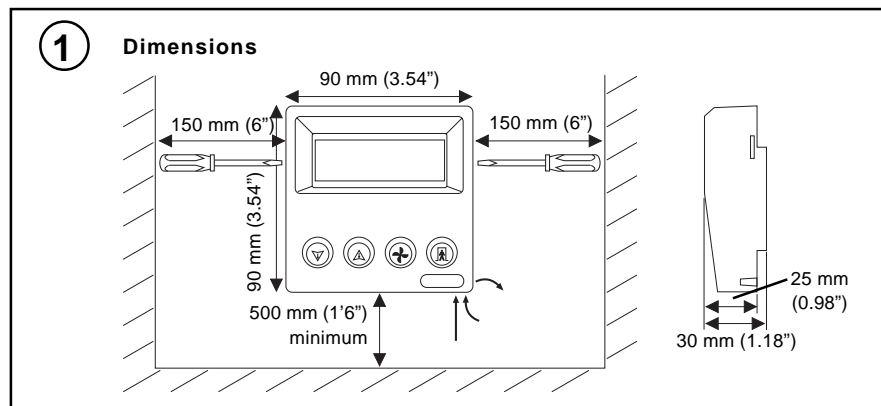
STORING



It is recommended that the installation should comply with the HSE Memorandum of Guidance on Electricity at Work Regulations 1989.
For USA, install equipment in accordance with National Electric Code.

INSTALLATION

For use with IQLVAV, IQL11+, 13+, 15+ controllers only



INSTALLATION (continued)

2 Requirements (continued)

d **e** **f** **g**

h **i** **j** **k** **l**

j -10 °C → +40 °C ✓
+14 °F → +122 °F ✓

k 0 %RH → 90 %RH ✓

3 Check IQL+, IQLVAV Controller Compatibility

Compatible with IQLVAV, IQL11+, 13+, 15+ only

IQLs must have standard strategies or standard item allocations as follows:
 S9, S10, S1, S2, S3 (IQLVAV, IQL11+, 13+, 15+)
 I9 (IQL11+, 13+, 15+), I12 (IQLVAV)
 S11, S7 (IQL13+, 15+)

IQLVAV, IQL11+ can use RD/IQL/K, /KOS
 IQL13+, 15+ can use RD/IQL/K, /KOS, /KOSF

The RD's potentiometer must be used (if potentiometer required); a direct connected potentiometer may not be used. A direct connected temperature sensor may be used rather than the RD's.

RD-IQL/K precludes use of PIR/pushbutton inputs and (on IQLVAV only) alarm contact input. A separate fan speed switch may be used (IQL13+, 15+).

RD-IQL/KOS as **RD-IQL/K** except pushbutton is provided.

RD-IQL/KOSF as **RD-IQL/KOS** except Fan speed switch is provided (for IQL13+, 15+). A separate Fan Speed switch may be used (rather than the RD's).

4 Remove Front Panel

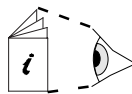
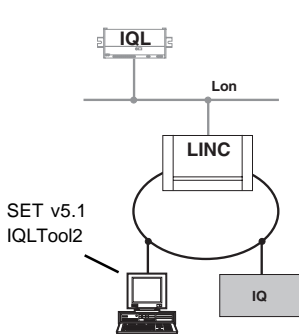
a **b** **c**

5 Route Cable

INSTALLATION (continued)

6 Configure IQLVAV/IQL+ for use with RD

a Connect Trend Tool for Text Communications



See IQLTool2
See PowerTool Manual
TE200163
See Wupdn Manual
TE200162



Note that a PIN may be required to make changes. If the PIN has been forgotten the users should contact their supplier (installers contact Trend Technical Support) quoting the generator number and neuron id (both from Address module) whereupon a default PIN will be supplied. This will only work for three attempts at entering the PIN. After the default PIN is entered a new PIN should be set up and remembered.

b Configure parameters

The following parameters **must** be set up (their configuration is facilitated by IQLTool2 'Configure for RD-IQL' feature):

Local Space Temp Type S9(Y=6) (use RD) - IQL11+, 13+, 15+, IQLVAV

Local SP Adjust Type S10(Y=6) (use RD) - IQL11+, 13+, 15+, IQLVAV

Local Fan Speed Type S11(Y=6) (use RD) - IQL13+, 15+

These settings are facilitated by IQLTool2.

If it is required to use a separate temperature sensor, leave Local Space Temp Type at default, S9(Y=1).

If it is required to use a separate fan speed switch, leave Local Fan Speed Type at default, S11(Y=3).

The following parameters should be set up if they have been changed from default:

Note that these parameters are in the standard strategies; equivalent parameters may have to be changed in non-standard strategies

Window Mode W5(S=0) (not window mode, default) - IQL11+

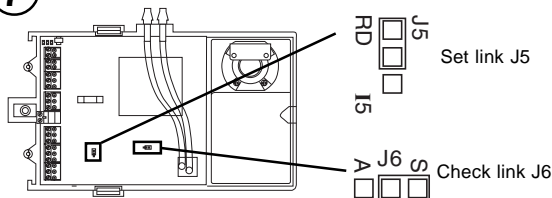
PIR Pb Select W6(S=0) (Pushbutton selected, default) - IQL11+, 13+, 15+

Remote Fan Spd K7(V=4) (auto, default) - IQL13+, 15+

The following command **must** be given:

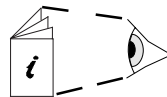
R(z=1): This writes changes to permanent flash memory, and causes the IQL/IQLVAV to start using the new settings

7 Configure IQLVAV link (IQLVAV only)



Set link J5

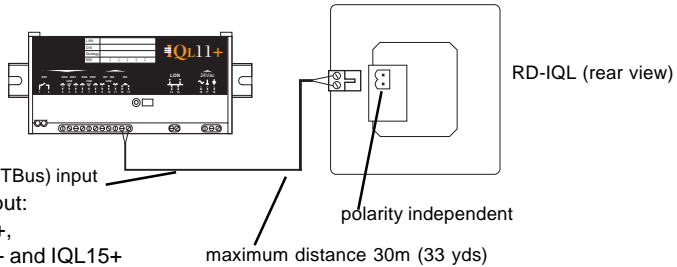
Check link J6



IQLVAV Installation Instructions
e.g. IQLVAV/xxx ..VAV
TG200704

INSTALLATION (continued)

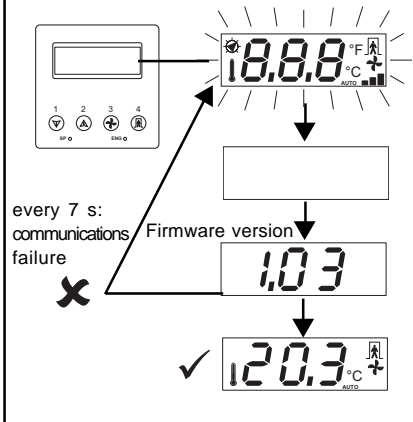
8 Connect to IQL+ Controller



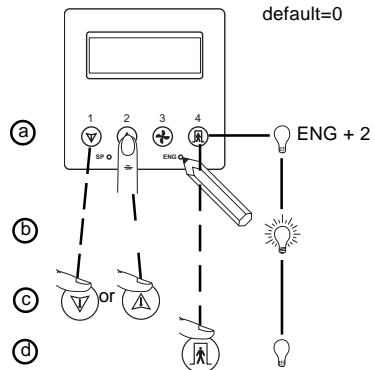
First digital input:
IN3 for IQL11+,
IN4 for IQL13+ and IQL15+
IN5 for IQLVAV

Note that IQL+/IQLVAV may be connected while powered; if not power up IQL+/IQLVAV.

9 Check Start Up Reset



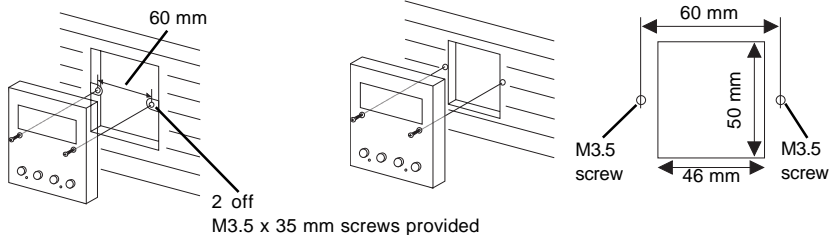
10 Engineer Temperature Offset
if required to offset sensor value



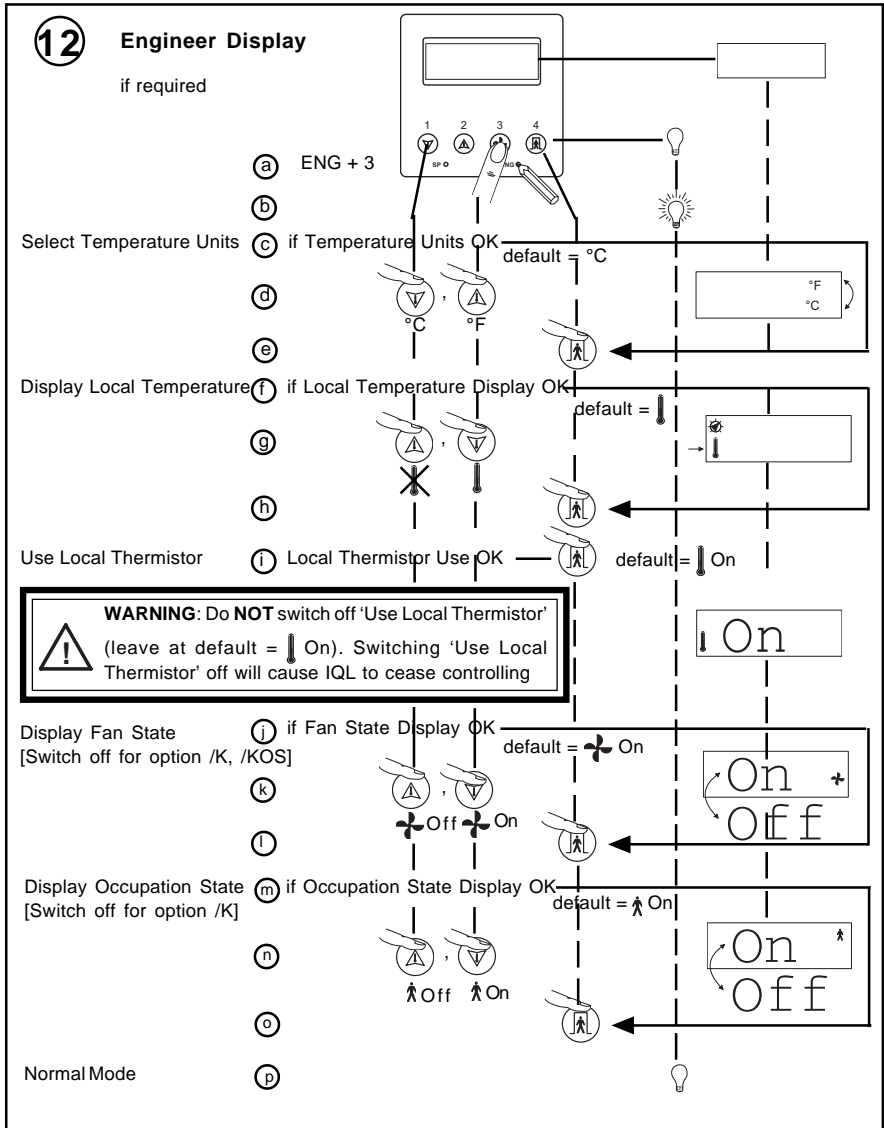
11 Mount Unit

standard UK electric back box

or panel



INSTALLATION (continued)



INSTALLATION (continued)

13 Restore Defaults

if required

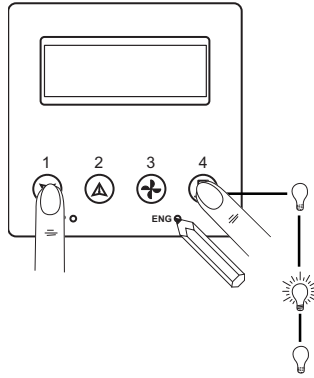
Restore Defaults (a) ENG + 1 + 4

Defaults as shown in step 12

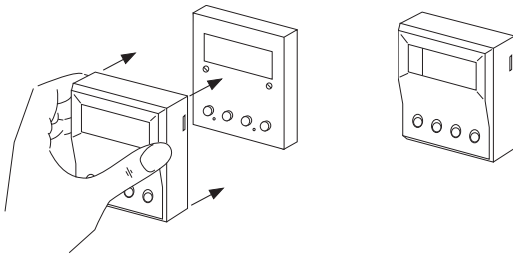
(b)

Normal Mode

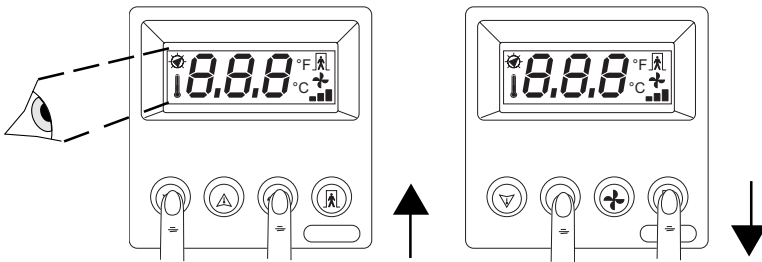
(c)



14 Replace Front Panel



15 Adjust Contrast



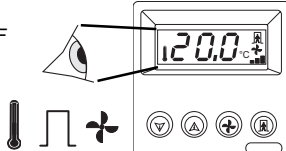
INSTALLATION (continued)

16

Check System

Dependent on option
/K, /KOS, /KOSF

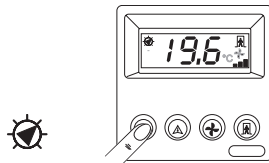
a
/K, /KOS, /KOSF



S9 °C (°F) Temp

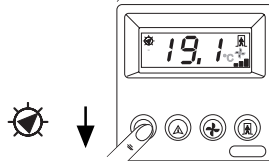
S3 Occupation, S7 Fan Speed

b
/K, /KOS, /KOSF



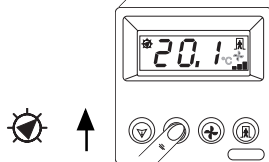
S2 °C (°F) Setpoint

c
/K, /KOS, /KOSF



S2 °C (°F)

d
/K, /KOS, /KOSF



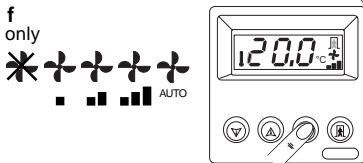
S2 °C (°F)

e*
/KOS, /KOSF

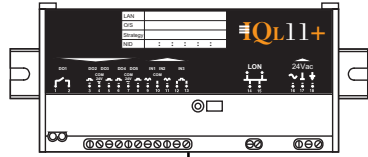


S3 Occupation

f
/KOSF only




S7 Fan Speed



* Note that when using an IQL standard strategy, in step 'e' the RD can override the occupation on, but not off. The strategy will define when the occupation switches off.

DISPOSAL



WEEE Directive :

At the end of their useful life the packaging and product should be disposed of by a suitable recycling centre.

Do not dispose of with normal household waste.
Do not burn.

Manufactured for and on behalf of the Environmental and Combustion Controls Division of Honeywell Technologies Sàrl, Ecublens, Route du Bois 37, Switzerland by its Authorized Representative, Trend Control Systems Limited.

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