

Installation Guide

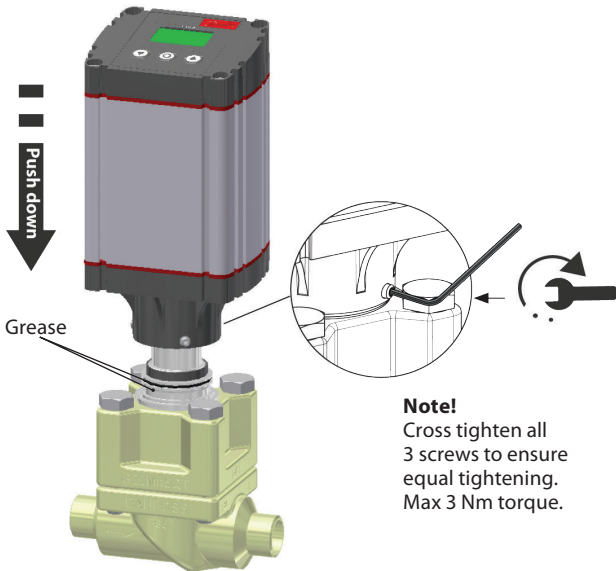
ICAD 600A/ICAD 1200A

Quick Start Guide

027R9801

027R9801

1



Note!
Cross tighten all 3 screws to ensure equal tightening. Max 3 Nm torque.

3



Quick Start Guide

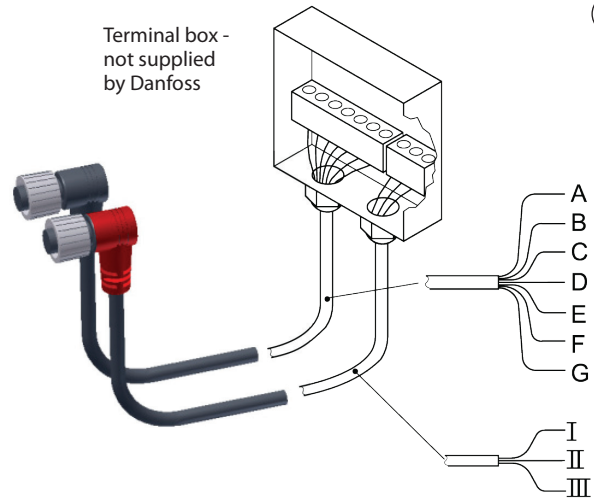
Before you start using ICAD:



24 Volt DC ONLY

Terminal box - not supplied by Danfoss

2



| Ref. | Colour | | Description |
|------|--------|---|--|
| A | Black | - | Common Alarm |
| B | Brown | - | ICM fully open |
| C | Red | - | ICM fully closed |
| D | Orange | - | GND ground |
| E | Yellow | + | 0/4 - 20 mA Input |
| F | Green | + | 0/2 - 10 V input or digital input for on/off control |
| G | Blue | + | 0/4 - 20 mA Output |

| | | | |
|-----|-------|---|---|
| I | Black | + | Fail safe supply Battery / UPS* 19 V DC |
| II | White | + | Supply voltage |
| III | Brown | - | 24 V DC |

* Uninterruptable Power Supply



24 Volt DC ONLY

Please observe cable voltage drop

Distance between the applied DC transformer and the ICAD terminal box may cause a voltage drop. Cross section of cables and size of DC transformer must be calculated so that the voltage at all time **at the ICAD terminal box***, both during standstill and during operation of ICAD, is within this range:

| Prefabricated ICAD cable length Code number | 1.5 m 027H0426 | 3 m 027H0438 | 10 m 027H0427 | 15 m 027H0435 | |
|---|----------------|--------------|---------------|---------------|----|
| Voltage ICAD terminal (600A/1200A) [V DC] | Min. | 21 | 22 | 23 | 24 |
| | Max. | 26.4 | | | |

* Do not measure inside the ICAD itself

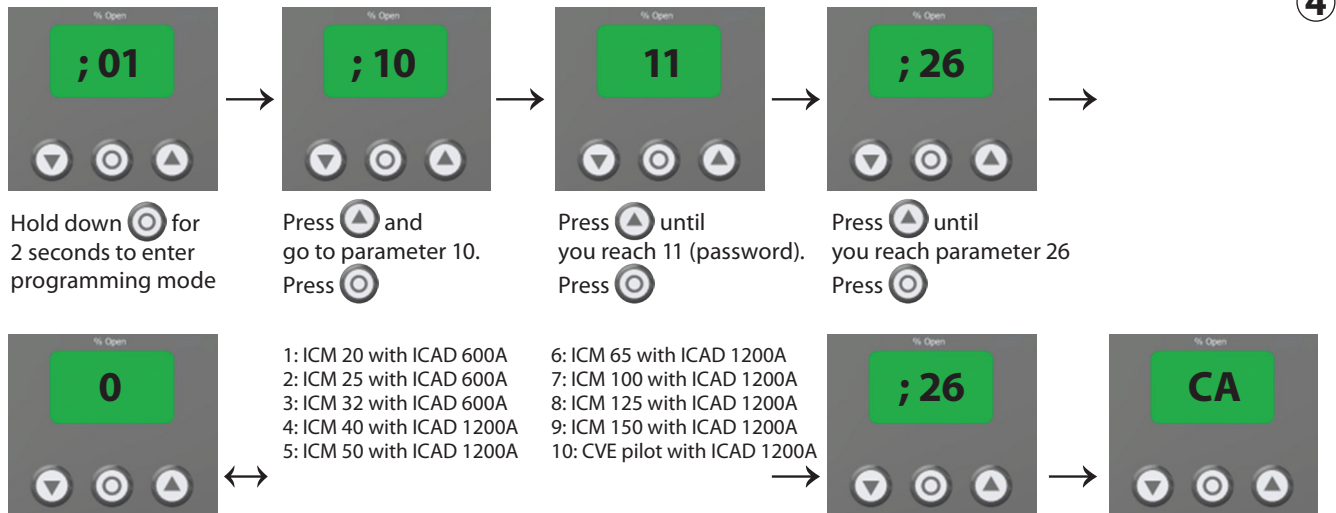
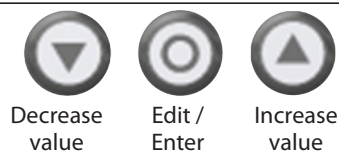
Programming the ICAD

Valve size setup (mandatory)

When powering up the ICAD, A1 will flash in the display

Note:

If the keypad is not operated within 20 seconds; time out will automatically exit programming mode.



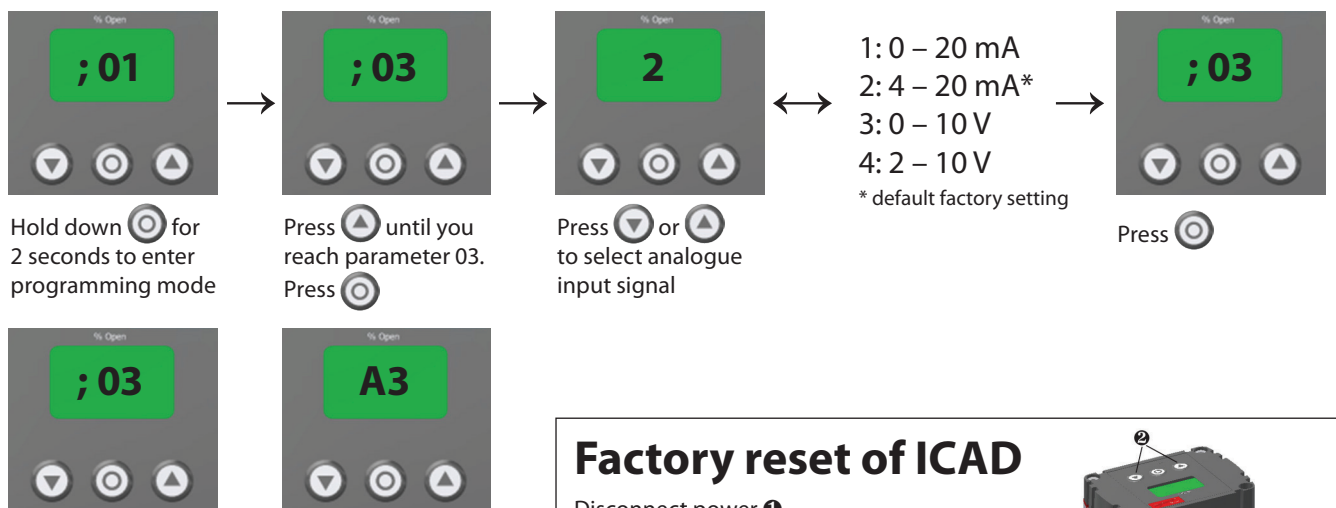
Valve label ID:

| ICM 20 | ICM 25-65 | ICM 100-150 |
|--------|-----------|-------------|
| | | |

NOTE!

If media temperature is lower than -30 °C (-22 °F) it is mandatory to set parameter i30 an i31. See separate document attached in ICAD box: document number AN285243155312

Changing analogue input signal (optional)



Factory reset of ICAD

Disconnect power ①

Press down and simultaneously while reconnecting power ①

Release and

Note:

If factory reset has been performed the ICAD will start flashing A1 in the display.



For further functions, programming possibilities and factory settings; please see ICAD instruction.