4CIR, 2CIR and PMIR user manual – short form – English version
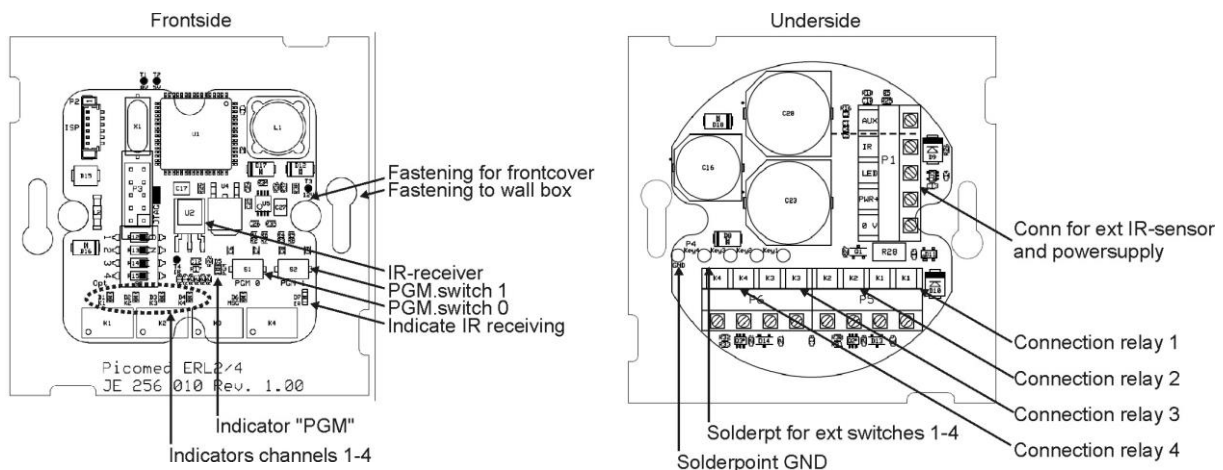
Revisionlist:

Date	Name	Short description of changes
01.03.2010	Bent Sollid.	First edition, short verison, based on Norwegian version 01.02.2011.
10.11.2015	Bent Sollid.	Added info about maximum current in relays.

2CIR and 4CIR – 2 and 4 channels

Installed inside a wall box. Front cover made by plastic which is transparent for infrared (IR) radiation. This frontcover shall be fastened to the printed circuit board by 2 screws.
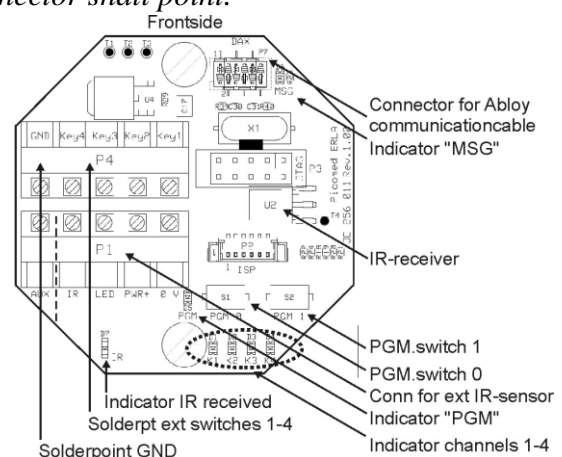**NOTE: do not tighten screws to much →** this will destroy the thread in the PCB.

- Potential free relays marked K1-K4, maximum current is 1A@50VAC/DC.
- Powersupply 10-30 VDC/10-24VAC to be connected to ”0 V” and ”PWR+”.
- The receiver will be working with 2 relays enabled for about 1+ second if there is a powerfailure.
- External IR-sensor to be connected to ”LED” and ”IR” and to powersupply (0 V, PWR+).
- External switches kan be soldered to”GND” and ”Key1”-”Key4”. Will enable channels in same way as an IR-signal.

PMIR

- To be mounted inside Picomatic dooropener on premounted bracket.
- Adjust the IR-module **careful** so it is placed exactly behind the hole in the front cover.
- Communication-cable included. *Note: a small hole in the PCB next to the end of the contact on the PCB where to the pin on the connector shall point.*
- Channel 1: open as impulse input.
- Channel 2: open as delayed impulse input. *Note: some versions of the dooropeners do not have this option. These Picomatic's will not react on this channel even though the PMIR can be set up with this channel.*
- Channel 3:
  When door is open/opening: close door.
  When door is closed/closing: open door.
- Channel 4: not in use.

External IR-sensor
- Up to 10 external IR-sensors can be connected.
- Maximum sum of the cablelengts to external IR-senor(s) is 100 meters (1 sensor can have 100 meters or i.e 4 sensors can have 25 meters etc).
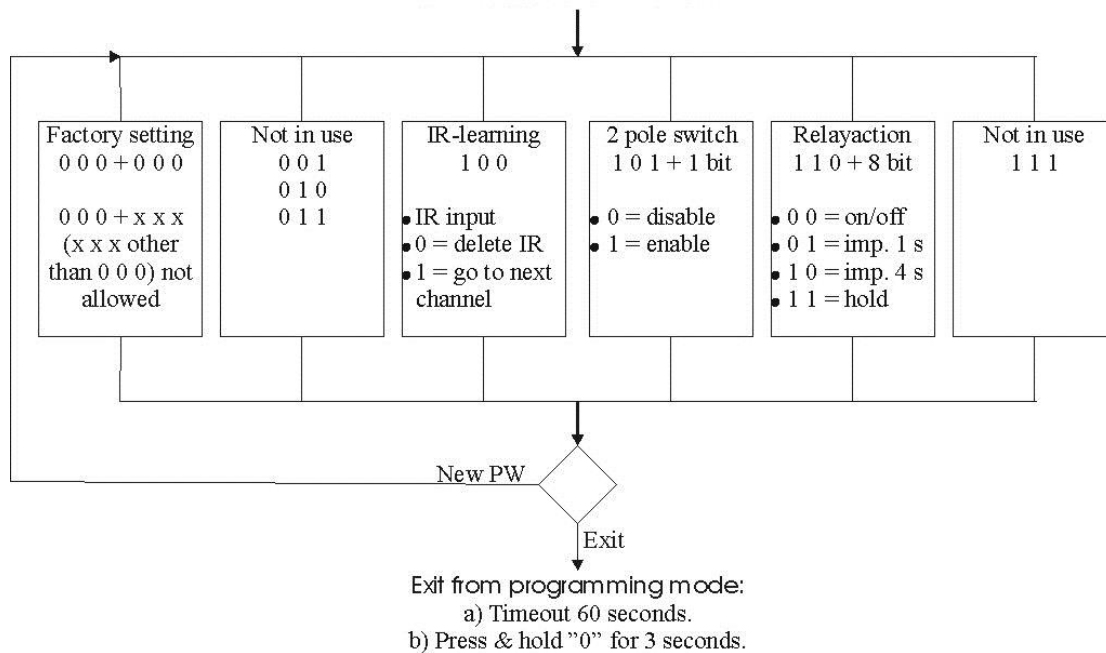
Programming
Enter programming mode
- Press & hold PGM 0 for 3 seconds until PGM LED have fixed light.
- Release PGM 0.

Leave programming mode
- Press & hold PGM 0 for 3 seconds until PGM LED is dark.
- Timeout in programming mode: if no keystrokes – 1 minute.
- Timeout in IR-learning mode: if no IR is received – 20 seconds.

Programmeringsord
Entrance to programming mode:
Press & hold "0" for 3 seconds.

Factory setting 0 0 0 + 0 0 0 0 0 0 + x x x (x x x other than 0 0 0) not allowed	Not in use 0 0 1 0 1 0 0 1 1	IR-learning 1 0 0 • IR input • 0 = delete IR • 1 = go to next channel	2 pole switch 1 0 1 + 1 bit • 0 = disable • 1 = enable	Relayaction 1 1 0 + 8 bit • 0 0 = on/off • 0 1 = imp. 1 s • 1 0 = imp. 4 s • 1 1 = hold	Not in use 1 1 1

New PW

Exit

Exit from programming mode:
a) Timeout 60 seconds.
b) Press & hold "0" for 3 seconds.

*) *Have no influence on the PMIR.*
After a power failure all relays will be disabled. IR-signals and settings is not affected.
Important! Be careful to avoid "IR-noise" into receiver when copying IR signals!

Factory setting
- Delete all IR.
- Relay mode set to 1 second impulse on all channels.
- 2 pole switching mode = off.

Two pole switching mode
- Relay 1 and 2 is activated at the same time and controlled by channel 1.
- Relay 3 and 4 is activated at the same time and controlled by channel 3.
- The two pairs can **not** be enabled at the same time.