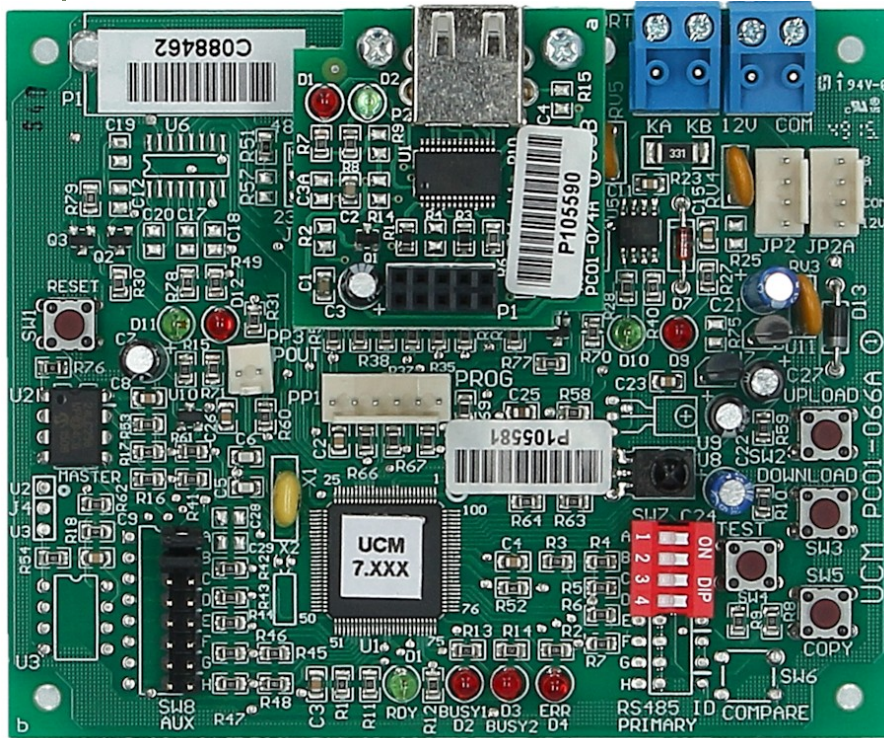


UCM Changes

Please take note of the following changes to the UCM with firmware **6.080** or higher. The full UCM Manual can be downloaded from http://www.cytech.biz/ucm_manual.html



UCM/USB shown

ID Display on LEDs

The UCM ID is displayed on the LEDs by pressing the COPY button. The ID display is according to the table below.

ID	ERR (D4)	BUSY2 (D3)	BUSY1 (D2)	RDY (D1)
1	Off	Off	Off	On
2	Off	Off	On	Off
3	Off	Off	On	On
4	Off	On	Off	Off
5	Off	On	Off	On
6	Off	On	On	Off
7	Off	On	On	On
8	On	Off	Off	Off
None	On	On	On	On

E.g. for ID=1, only RDY is On. For ID=2, only BUSY1 only is on.

D3 ERR LED

From UCM Firmware 7.176m the ERR D3 RED led will turn on if the UCM detects the Wifi submodule at reset. If the USB or ETH03 submodule is inserted, the ERR LED should be OFF. For UCM/USB, the USB cable should be plugged in to the PC when power is connected, otherwise the ERR LED will be on. Press the RESET button on the UCM, or for older firmweare than 7.176 poer off the UCM, and power on again when the YUSB cable is connected

ID Setting

If the SW7 (RS485 Primary) DIP switches 1 to 4 has any switch in the On position, this determines the ID of the UCM. The UCM is supplied with ID=1 by default i.e. SW7 - 1 On.

The table below shows the assignment of ID using the SW7 Shunts.

ID	SW7-1	SW7-2	SW7-3	SW7-4
1	On	On	On	On
2	Off	On	On	On
3	On	Off	On	On
4	Off	Off	On	On
5	On	On	Off	On
6	Off	On	Off	On
7	On	Off	Off	On
8	Off	Off	Off	On
COPY	Off	Off	Off	Off

The new way of setting ID is when all SW7 1 to 4 are all in the **OFF** position. Press and hold the COPY button for 2 seconds until the LEDs change state to the next ID, e.g. ID=2 or BUSY1 only is on. Press and release to increment the ID until 8 and then back to 1. If the COPY button is not pressed for 4 seconds, the new ID is confirmed and all LEDs will momentarily turn on. If any SW7 switch is ON, the COPY button will not work. Check the D9 and D10 LEDs are both blinking

It is important that NO 2 UCMs have the same ID as this will cause both UCMs to lose communications.

D9 (Red) and D10 (Green) LEDs

The D10 Green Led should flash continuously showing that the UCM receives data from Comfort (appears like it is steady on due to the fast blinking rate). If D10 is off, it means the Bus cable is not connected to Comfort. The D9 Red LED will flash when the UCM replies to Comfort. If D9 LED is Off, it means Comfort does not poll the UCM because the Number of UCMs is not programmed to poll this ID. Do a Scan for UCMs in Comfigurator.

If the ID is correctly set, both D9 and D10 should be flashing

U2 EEPROM and Pushbuttons

The U2 EEPROM can be used to save the Comfort program so that it can be written back to Comfort in case of programming mistakes.

Reading from Comfort to U2 - UPLOAD Button

Press and hold the UPLOAD button for 2 seconds until the BUSY1 Red LED starts to blink. This takes about 2 minutes at the end of which the RDY Green LED will turn on. The Comfort program configuration is stored in the U2 EEPROM

Writing U2 to Comfort - DOWNLOAD Button

To transfer the saved program configuration in U2 to Comfort, press and hold the DOWNLOAD button for 2 seconds until the BUSY2 Red LED blinks. This takes 1 minute. RDY Green LED is on. Comfort resets, announces "Security Off". **If the U2 File system does not match Comfort, this will not work. This prevents writing wrong information into Comfort.**

Testing U2 - TEST Button

This button will test the U2 EEPROM by writing and reading from each location. The EEPROM contents are restored after the test. Press and hold the TEST button for 2 seconds until the BUSY2 LED turns on. This test takes about 2 minutes after which the RDY Green LED should turn on. If the EEPROM fails the test, the ERR Red LED will turn on. In this case do not Download to Comfort.

COMPARE Button - Not Used

Document History

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