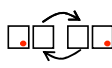


Step	Instruction	Display	Look out for
1. Fit TCD in panel	Connect antenna, pin inputs, relays and power. Connect the network cable from TCD to the router.	No change	Check against diagram above
2. Boot up	Power-up the TCD and wait 30 sec or until t1 appears on display. Wait for lights on activity path LEDs to indicate that the signalling paths are available and that the TCD is ready to be commissioned.	t1 b0 E1	Steady light on the red power status LED. Flickering light on the Ethernet activity LED. Flashing green GPRS activity LED (reducing from 1/sec to 2/sec indicating GPRS path available).
3. IP path & software update check	Check for updates by pressing both Mode and Set buttons together for 10 seconds. This establishes the IP connection to the Emizon server and checks for the latest software update.	UF r r	UF followed by rr on the display indicates a firmware update has taken place. Power off and power on the TCD and repeat the process till you see Uc followed by - -.
4. Call ARC	Call your ARC quoting the TCD serial no. (on label). The ARC will associate this TCD with the installation on their system and activate it.	No change	For added security there is a time-out period of +/- 20 mins for ARC Activation. If activation does not occur repeat Step 4.
5. Commission the panel	Once the ARC has entered the commands to associate and activate the installation, press the Set button (right hand side) on the TCD for 5 seconds. Note: If you re-power the TCD at any stage you must wait 15 seconds to allow the TCD to boot up and show t1. If you power up after Step 4 you will need to repeat the ARC Commissioning process.	E1 01 CA 	User interface display alternates between: t1 and 01, then CA (Completely Activated) Alternate flashing decimal points indicates normal operation and a successful commission. The Ethernet and GPRS path LEDs will change to green to indicate that they are communicating with the Emizon Service Platform.
6. Test	Send test alarms on both paths to ARC to ensure the system is fully activated. Fix the aerial in its final position.		Trigger an alarm with the network cable connected to test the IP route. Repeat with the cable unplugged to test the GPRS path.

TCD Error and Fault Codes



The TCD comes with in-built fault finding capability. When detected, error and fault conditions are shown on the display by the letter E or F. The display may also show a number code to indicate the nature of the problem. A list of the most common codes, together with the potential reasons and solutions are shown on the table below:

CODE		Possible reason and Solution
F	0	Fault code 0: Configuration read from flash failed – device is faulty please replace with a new TCD.
E	0	Error code 0: IP path not connected. Please check Ethernet cable from TCD to router/network connection. Make sure connectivity to router is completed and that either DHCP is enabled on the router or a static IP address has been input by the Emizon helpdesk.
E	1	Error Code 1: Unable to contact Emizon Service Platform for configuration parameters. Check IP path is continuous to customers router (is green light flashing on Ethernet port on TCD?).
E	2	GPRS Registration state not 1 or 5 as specified. If this persists, this indicates poor Vodafone signal coverage area or antenna location problem.
E	3	GPRS Connection not available. If this persists this indicates the GPRS connection is unable to connect to the GPRS IP service.
E	4	Serial Connection to Alarm Panel failed (if configured). Check the serial connection to the alarm panel on the RS232/RS384 ports.
E	5	PSTN Connection failed (if configured). The physical wiring between the TCD and the alarm panel on the PSTN connection has failed.
Firmware Update Codes		
U	F	UF followed by a value of between 00 and 99 indicates that the firmware update process is in progress.
F	E	FE Followed by any value indicates an error in the firmware update process. Repeat process and if same result check network connection.
r	r	rr followed by 11, 01 or 10 indicates the firmware update is complete and the TCD is ready to be rebooted.
U	C	Update process complete

For help and advice call Emizon 21 Commissioning Desk on 800.587.1720