

Central Power CDU

Oct 03rd

2011

This document explains the how to use the Wavetec CDU GPC
(Grey, Power Central)

User Guide

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1. Specifications



Model	CDU GPC (Grey, Power Central Hub)
Dimensions	122 (H) x 350 (W) x 43.5 (D) mm
Display Resolution	16(H) x 48 (W) = 768 dots
Display Color	Red, Green and Amber
Display Languages	Multilingual
Counter Number - Display Area	122 (H) x 90 (W) mm
LED Display Area	75 (H) x 230 (W) mm
Display Type	Dot-Matrix - Tri-color
LED dot	3.0 mm diameter
LED pitch	4.75 mm

Luminous Intensity per dot (@ IFP=40 mA, duty 1/8)	Red 7 mcd Green 10 mcd
Max Cable length for CDU connectivity	28 m from Active HUB Cat5e, 4 pair twisted cable with solid wire conductor of 24 AWG
Connections	RJ 45 Connector Carrying Data & Power from ACTIVE HUB
Data Communication	115k bps Differential RS-485 data signal from ACTIVE HUB
Display Addressability	Unique ID set through software in the range 1 to 99
Power	+12V DC 1.1Amp (Taking from Active Hub)
Operating Temperature	0-35 deg Celsius
Humidity	0 – 85% (relative humidity; non-condensing)

2. Configuration

Total Number of CDU Connect at Hub	Wire Length (Meters)	CDU Current	Text Color	Text
7	21	1.038Amp	Orange	8888
9	14	0.870Amp	Orange	8888
10	7	0.738Amp	Orange	8888
16	49	0.338Amp	Red	8888
15	28	0.490Amp	Green	8888

Note: CDU can connect with maximum wire length of 28 meter.

3. ID Change Procedure:



- ❖ First locate the ID Change Switch as highlight in the above picture & make sure all dip switches should be at OFF Position.
- ❖ Now with the help of pointing thing press & hold this Switch for 3-5 seconds until the display shows the ID of the CDU, after that release this switch.
- ❖ Now Press this switch again, you will observe the ID's is incrementing on the display, Keep pressing the switch till you get close to your desired ID. Now release and press for a brief period for single increment till your desired ID has reached. Now stop pressing that switch. In 5 seconds this will be stored as new ID.
- ❖ After few seconds the CDU will display startup messages and also show your set ID.

Warning:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.