



DCRL...



DCRG 8



CX 02



EXP...



CX 01

New DCRL / DCRG power factor controllers incorporate latest technological advanced monitoring to provide accurate measurement and control of network parameters in power factor correction applications, providing total protection of capacitors and systems.

- Expandable through clip-in expansion modules (*I/Os, Comm ports etc.*)
- High accuracy (TRMS) measurements with configurable alarms
- Front optic interface port for programming, data download, diagnostics
- Suitable for medium voltage systems (with VT's)
- Wide voltage measurement range: 50 - 720 VAC L-L, 50 - 415 VAC L-N
- Configurable 1A or 5A current input
- Capacitor overload protection
- Panel over-temperature protection by internal sensor

type	number of steps	expand up to	description	housing size (mm)
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DCRL controllers 3, 5 and 8 step single phase CT connection

DCRL series power factor controllers with advanced functionality in a dedicated ultra compact housing, combine modern front design with ease of mounting and expandability.

- Backlit icon LCD display (*alarm codes with scrolling text*)
- Voltage and current THD with single harmonic analysis up to 15° order

3 and 5 step controllers 1 expansion slot (H) 96 x (W) 96 x (D) 65 mm

DCRL3	3 step	6 step	panel mount power factor controller	96 x 96
DCRL5	5 step	8 step	panel mount power factor controller	96 x 96

8 step controllers 2 expansion slots (H) 144 x (W) 144 x (D) 44 mm

DCRL8	8 step	14 step	panel mount power factor controller	144 x 144
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DCRG controllers 8 step single and three-phase CT connection

DCRG series power factor controllers are designed to satisfy technical characteristics of modern electrical installation requirements in all industries and working conditions, to detect critical operating conditions and offer total protection of power factor systems.

- 8 steps (*expandable by up to another 8 steps with plug-in expansion modules*)
- Three current inputs permit per phase analysis of all electrical parameters of the installation
- Quick CT programming function / Automatic identification of direction of CT current flow
- Backlit graphic LCD display (*permits reading in bar-graph and wave form format*)
- Connection to 1/3 ph lines, 3 ph + N and co-generation systems with 4 quadrant operation
- Configurable for fast dynamic (*thyristor*) switching or a combination of static and relay

8 step controller 4 expansion slots (H) 144 x (W) 144 x (D) 44 mm

DCRG8	8 step	18 step	panel mount power factor controller	144 x 144
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EXP expansion modules (*plug into rear of controller to add more functionality*)

EXP series expansion modules add extra functionality to the controllers. DCRL 3/5 accepts one module - DCRG 8 accepts up to 4 modules - DCRL 8 accepts up to 2 modules

Inputs/outputs

- EXP1006*** 2 relay outputs to increase number of capacitor steps
- EXP1007*** 3 relay outputs to increase number of capacitor steps
- EXP1000** 4 opto-isolated digital inputs
- EXP1001** 4 opto isolated static outputs to increase number of static steps
- EXP1002** 2 opto-isolated digital inputs and 2 opto-isolated static outputs
- EXP1003*** 2 relay outputs rated 5A 250 VAC
- EXP1004** 2 opto-isolated analog inputs PT100 or 0/4-20mA or 0-10V or 0...±5mA
- EXP1005** 2 opto-isolated analog inputs 0/4-20mA or 0-10V or 0...±5mA
- EXP1016** 2 NTC 01 temperature measurements and 2 three phase current inputs

Communication

- EXP1010*** opto-isolated USB interface
- EXP1011*** opto-isolated RS232 interface
- EXP1012*** opto-isolated RS485 interface
- EXP1013*** opto-isolated Ethernet with web server function (*only for 8 step controllers*)
- EXP1014** opto-isolated Profibus-DP interface
- EXP1015** GPRS/GSM modem without antenna

* Available for DCRL and DCRG others only available for DCRG

Accessories

- C2** PC - DCRL/DCRG connecting cable + EXP1011 module
- C9 cable** PC - Analog modem connecting cable
- CX01** PC - DCRL/DCRG connecting cable with USB dongle
- CX02** PC - DCRL/DCRG Wi-Fi dongle
- CX03** GSM Quad-band antenna for EXP1015 modem (800/900/1800/1900MHz)