



DCS10

Technical sheet



Bidirectional and up to 10 simultaneous commands

DCS10 module is an industrial remote control that is able to transfer up to 10 simultaneous on/off commands or electrical contact between industrial equipment via radio signal.

The DCS10 remote control uses only one radio channel and it is available in UHF version (Dual band 433 and 870 MHz) and 418 MHz (China).

Technical features

- Dual Band frequency UHF: 433 Mhz, 16 channels
870 Mhz, 12 channels
- Frequency: 418 Mhz, 12 channels
- Hamming code distance > 4
- Maximum number of on/off simultaneous commands: 10 + start + stop
- Command response time: 50-100 ms
- Active emergency stop command response time: 50 ms
- Command passive emergency response time: 1 s
- STOP function: cat 3 PL d
- Range: 100 mt
- Operating and storage temperature: -20°C/+70°C
- Modulation: FM Manchester coding
- Emitting power: 418 Mhz 20 mW
433 Mhz 10 mW
870 Mhz 5 mW
- Antenna: REMdevice ¼ wavelength
- Power supply: 12-24 Vdc / 24-115 Vac
- Current demand: 12-24 Vdc 0,4 A / 24-115 Vac 0,2 A
- Casing protection grade: IP20
- Material: ABS
- Dimensions: 158 x 90 x 75 (LxHxD)
- Weight: 425 gr
- Command relay contact capacity: 4A (DC1/AC1) 115Vac
- Stop relay contact capacity: 4A (DC1/AC1) 115Vac

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Monitor tester

Self-powered display instrument to connect to one of two Rtx module capable of acquiring the operating data of the Radio control

DISPLAYED INFORMATION:

- Working frequency and operating channel
- Signal and interference level
- Number of starts and working hours
- Number of Up and Down commands
- Relay operating diagnostics
- Active controls



Reference standards

Safety	EN 62368-1:2014 + A11:2017 EN 62745:2017 (cableless control systems of machinery)
Health	EN 62479:2010 EN 62311:2008
EMC	EN 61000-6-2:2005 EN 61000-6-3:2007 + A1:2011
Radio	ETSI EN 300 220-1 V3.1.1 ETSI EN 300 220-2 V3.1.1 ETSI EN 301 489-1 V2.1.1 ETSI EN 301 489-3 V2.1.0
Machinery (as applicable)	EN 60204-32:2008 EN 13557:2003 + A2:2008 UNI EN ISO 13849-1:2016

Reference rules

FCC	Rule Parts 15C
IC	RSS-247 Issue 1 RSS-GEN Issue 4
Cina	Radio Transmission Approval Certificate
Russia	EAC-GOST Certificate

Reference directives

- Radio Equipment Directive (RED) 2014/53/EU
- Machinery Directive 2006/42/CE (as applicable)



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