



DESCRIPTION:

CCS 4.2 series compressor control panel are designed and manufactured according to CE regulations and offers compressor starting, stopping, pressure and temperature metering, compressor protection against failures. CCS 4.2 has got 128x64 graphic LCD display which allows measuring pressure and temperature values to be monitored simultaneously. The following digital data can be monitored from the front panel of the unit :

- 1 Aired Pressure
- 2 Aired temperature
- 3 Line Pressure
- 4 Total Working and Loading Hours
- 5 Compressor Status
- 6 Real Time Clock
- 7 Remaining Maintenance Times
- 8 Date and Time Stamped Failures as string
- 9 Parameter settings and monitoring
- 10 Inverter and engine information

- Engine Speed (RPM),
- Engine Current,
- Engine Voltage,
- Inverter Output Power,

Below values are displayed only Mitsubishi FR-F series,

- Inverter input power,
- Cumulative power
- Load Meter
- Motor load factor
- Power saving effect
- Cumulative saving power

CCS 4.2 has Ethernet options. It can be mailed desired e-mail address. CCS 4.2 has Modbus TCP server over the Ethernet. Five people can connect simultaneously to the device for info and parameter setting.

CCS 4.2 has RS485 and RS232 communication ports. It can be drive inverter for variable speed. According to air necessity it adjust the motor speed and economize energy consumption

FEATURES:

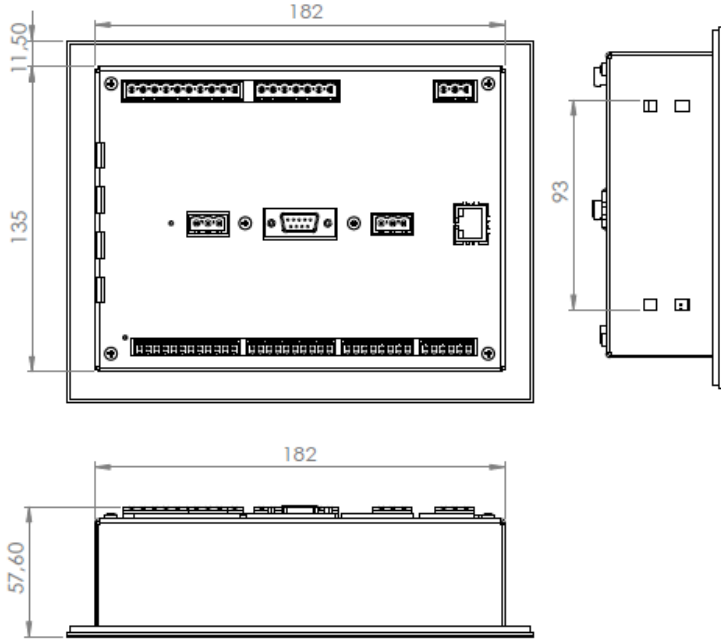
- Pc and SCADA interface for remote management
- 128x64 graphic LCD (professional data views)
- Inverter or Star/Delta motor driving
- Protection against failures
- Time stamped alarm logging for the last 25 events
- Pressure Calendar (weekly and 28 point)
- All periods and threshold levels programming,
- Easy configuration and professional use
- 6 Maintenance Time
- Total Working and Loading Hours
- CE compliant design and production
- Password protect to access parameter with 3 level
- Configurable inputs and outputs,
- I/O expansion
- Multi-Language Support (English, Turkish, Russian, German)
- Pressure switch or sensor options
- Automatic IP receiving
- Mail Sending
- Modbus TCP Server
- Modbus Server (RS232,RS485)

CCS 4 SERIES COMPRESSOR CONTROL SYSTEM

INPUTS / OUTPUTS:

- 2 Analog input 4-20 mA for pressure,
- 2 analog input for temperature
NTC, KTY, PT100, PT1000
- 12 digital input
- 9 digital relay output
- Ethernet suitable IEEE 802.3 (E-Mail sending and Modbus TCP Server)
- RS485 port (Modbus Server / Inverter Driving)
- RS232 port (Modbus Server)
- 9-30 AC power input
- 1 analog output (selectable 0-10V or 4-20mA)
- CANBUS port for I/O expansion

DIMENSION :



TECHNICAL SPECIFICATION:

Supply	10 –30 Vac 10- 42 Vdc
Operating Temperature	-10°C / +60°C
Digital Inputs	Input Type : Optical Low level threshold: 2.1Vdc Min. Max Input Voltage : +50Vdc Contact wetting current: 2 mA at +12 Vdc
Analogue Inputs	AN1, AN2, Pressure Inputs : Input Type :4-20mA Differential, Input Resist : 120 Ohm Max. Pressure Scale: 99 Bar AN3, AN4, Temperature Inputs : Input Type : NTC R25=10K, KTY R25=1K, KTY R25=2K, PT1000, PT100
Analogue Outputs	Output Type : 0-20mA, 4-20mA or 0-10 Max.Load Resistance: 550 Ohm.
Relay Outputs	OUT0-OUT6 Output 6A Resist at 35Vdc or 250 Vac OUT7-OUT8 Output 10A Resist at 35Vdc or 125 Vac
Installation	Panel mount with metal fixing clips Maximum panel thickness is 3mm
Enclosure	Galvanized Metal
Weight	600 gr. (Average)
Dimensions (WxHxD)	207 x 160 x 57.6 mm
Panel Cut-out	182x138 mm



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