



COMSAT SYSTEMS PVT LTD

An ISO 9001 Company

MOTOR CONTROLLER UNIT

MODEL: CS-MCU-01



Motor Controller Unit [MCU] Model CS-MCU-01 is an outdoor unit and works on the principle of varying the speed of a three phase Induction Motor by varying the supply frequency to the motor . The MCU for different applications is custom built to suit Drive System requirements. The unit works on 230 volts AC input and contains two AC Frequency Variable Drives, one each for AZ & EL Motor. As an option for control of small Antenna, only one AC Frequency Variable Drive for both AZ & EL is used. The AC Frequency Drives convert the Single phase input into Three phase 230 V AC to drive the 3 phase Motor of each axis alternatively. The Drives accept speed and direction logic Commands from the Antenna Control Unit when MCU is set to operate in Remote Mode. The Motor Controller is also provided with a Local Control Panel with the facility to operate the Antenna & Feed locally.

SPECIFICATIONS



AC INPUT	:	Single Phase AC, 230V, + 10 % to -15 %
FREQUENCY	:	50 Hz \pm 5%
No OF AXES CONTROLLED:		Two (AZ & EL) with single / Dual AC frequency drives
OUTPUT FREQUENCY	:	Three Phase AC, 0 to 230 V AC (See note below)
RATE FEED BACK	:	Motor shaft encoder 200 PPR (Optical)
CONTROL MODE	:	Local / Remote
LOCAL CONTROLS	:	Power ON / Remote / Stand by / Manual - CW, CCW, UP, DOWN; Emergency Stop; Feed:
REMOTE CONTROL	:	From Antenna Controller
SIZE	:	Dual drive MCU , 600 mm W x 415 mm H x 200 mm D Single drive MCU :450 mm W x 350 mm H x 200 mm D
MOUNTING	:	Wall mounting
WEIGHT	:	Dual drive MCU 30 Kgs max Single drive MCU 20 Kgs max
NOTE 1	:	Output HP depends on the motor HP used
NOTE 2	:	Specifications are subject to change without notification



COMSAT SYSTEMS PVT LTD

Plot No: 22/A, IDA Mallapur, Hyderabad - 500 076, INDIA.
Tel: +91-40-27152329, 27177653, 27150484 Fax: +91-40-27155045
Email: johns@comsat-systems.com Website: www.comsat-systems.com