

MACHINE CONTROL UNIT

FEATURES

- Quad band GSM
- Easy to integrate
- Small size, easy to deploy
- 5A Relay output
- Secure data transmission
- Bidirectional data transmission

APPLICATIONS

- Agriculture pump operation
- Industrial motor control
- Valve operation
- Door/Gate control
- Process automation
- Automation and control
- Turbine and Generator control
- Tank level monitoring and control
- Home automation



DESCRIPTION

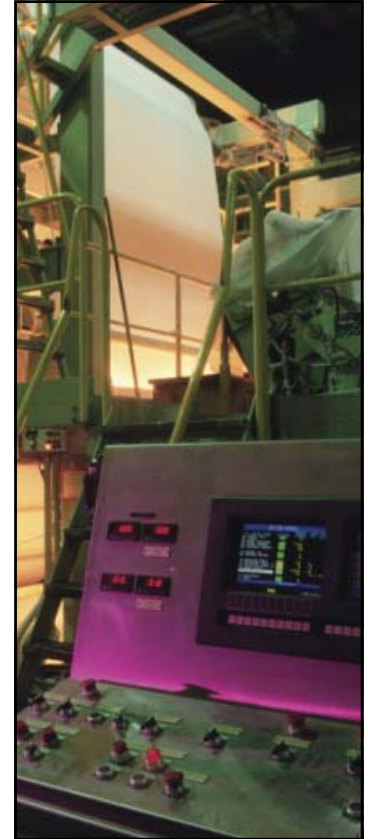
Aeron's Machine Control Unit (ARN-MCU11) is an ideal solution for remote operation of machine. It works on GSM technology to receive operational commands by simple text messages (SMS). The user can send ON/OFF commands from his/her cell phone. The ARN-MCU11 responds with performing desired operation and sending its status back to the user via simple SMS automatically.

The ARN-MCU1 requires active SIM card from any telecom operator in India. The SMS sent from cell phone may take maximum of 6 minutes depending upon network congestion, though in most scenarios, required time is within few seconds. Upon receipt of SMS, ARN-MCU1 takes action according to the command and sends machine operational status back to user.



TECHNICAL SPECIFICATIONS

PARAMETER	VALUE / DESCRIPTION
Communication	
Network type	Quad-Band GSM
Frequency band	850/900/1800/1900 MHz
Data rate	85.6 kbps (max)
Maximum output power	30 dBm
Receiver input sensitivity	-110 dBm
Output	
Output type	Relay (5A @ 230VAC or 10A @ 24 VDC)
No. of outputs	1
Data Security	Encrypted data transmission Unique Identification
Indication	
	LED indication for power LED indication for network health LED indication for relay ON/OFF
Electrical	
Voltage Input	220 VAC @ 50Hz Or 9-12 VDC
Current Consumption	< 1A
Protection	
Over voltage protection	Yes
Over current protection	Yes
Reverse polarity protection	Yes
Mechanical	
Size	160x80x56 mm
Operating temperature	-10°C — +70°C
Storage temperature	-20°C — +80°C
Protection	IP50



Contact us to discuss your requirements.

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