

ARCS basic - GET IN TOUCH WITH YOUR UNIVERSAL ROBOTS

...with the Universal Robots certified communication solution ARCS basic from AIRGATE. Get an extra dimension to your collaborative robots. The easy to install and easy to program SMS communication solution enables you to be in touch with your Universal Robots anytime and anywhere.

AVOID BUSINESS CRITICAL DOWNTIME

Manufacturers know all too well the high costs of unexpected equipment failures. Unplanned downtime or interruptions can be extremely expensive, particularly in environments such as continuous flow and process applications, where a single hour of unplanned downtime can be very costly. Being able to quickly identify malfunctions or out of stock situations enables you to reduce downtime and avoid loss of valuable production time.

SIMPLE AND COST EFFECTIVE SOLUTION

With the ARCS basic you get a simple and flexible monitoring system, which works independently of other IT infrastructures. ARCS basic use the cellular network (GSM/3G) to communicate the state and alarms of any Universal Robots, to configurable users. Users can with SMS check in and out of the configured notification stream. Exceeding defined limits triggers an SMS alarm from the modem to the user.

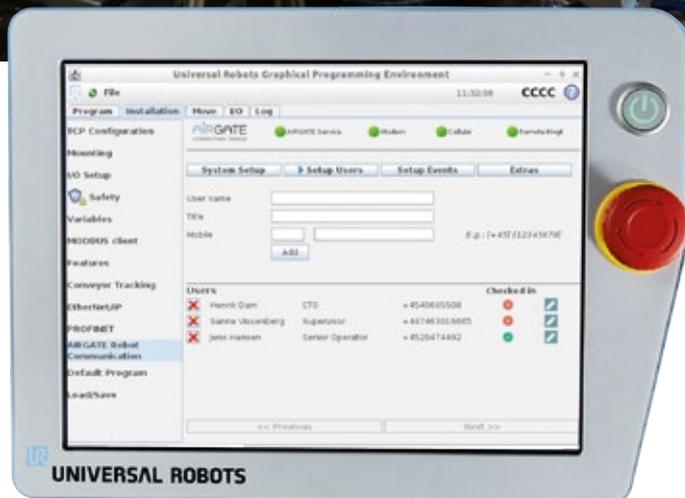
ARCS basic can also easily be programmed to monitor robot alarms and send any defined alerts. Furthermore, it can be programmed to send an SMS when the robot program reaches a certain level, or when variables in the robot program reach a certain level. ARCS basic therefore reduce overall production costs, improve quality, minimize downtime and increase operational efficiency.





EASY TO MOUNT AND PROGRAM

The ARCS basic can be mounted in two ways in the UR Controller box. The solution includes a mounting gear package supporting installation in the bottom, or on the side of the UR Controller box. The package contains a flexible mounting kit, communication cables, wires for power, and a USB stick with software and a Quick Guide. The ARCS basic is also easy to configure directly on the Universal Robots Teach pendant/PolyScope. You just have to add a SIM card to be up and running with the ARCS basic solution from Airgate.



Technical specifications

ELECTRICAL CHARACTERISTICS

300 Mhz ARM9 CPU

Input 12 – 48 V/DC, via screw terminals

Network Interfaces: 2 x 10/100 Mbit Ethernet (UPLINK, DEV1,) – RJ45 connection

2 x USB 2.0 full speed & 1 x RS232 DB9 Serial port

Power consumption: max 3W excl. an attached USB network adapter (calculate with a total of 8W incl. USB adapter)

2x2 Digital I/O ports via screw terminals

REGULATIONS & CERTIFICATIONS

FCC Class A, CE

EN55022 Class A, EN55024, EN61000-3-2, 3

EN61000-4-2, 3, 4, 5, 6, 8, 11

IEC 60950,C-Tick N29451

UL Listed (file #E358541)

PHYSICAL SPECIFICATIONS

Operating temperature: -25° – +60C°, 5 to 95% RH

Dimensions: 107(H) x 32(W) x 97(D) mm, 450

DIN mount bracket

Aluminium Chassis

1-year Warrant

ACCESSORIES

External GSM antenna

USB cable & Ethernet cable

Power/GND cable

Mounting plate with DIN rail to control box with screws

USB stick with software and documentation