

# CONTROL UNITS FOR MOBILE IRRIGATION SYSTEMS

Complete with electronic transmitter (electronic pressure switch) and digital pump water pressure gauge. Start/stop with buttons.

They automatically monitor the motor pump with a simple start and, thanks to the digital instruments, they improve reading precision and reliability over time.

## PANEL ASSEMBLY



**CIM-136/4GW**

**CIM-137/4GW**

**CIM-138/4GW**

Includes function that maintains engine rpm as the load on the pump varies

Complete with 4G/LTE modem to manage system via SMS text or ELCOS SMART CONTROL platform

## CAN BUS CONNECTION

Control units are available for engines equipped with electronic injection system control.



**ELECTRONIC PRESSURE SWITCH**  
with 3m-long cable (supplied standard)

Controls the system's working pressure (range 1–21 bar), doing away with the conventional electromechanical pressure switch.

**STAGE III: FPT, JCB, JOHN DEERE**

**STAGE V: FPT, DEUTZ, KOEHLER, YANMAR**



On request:

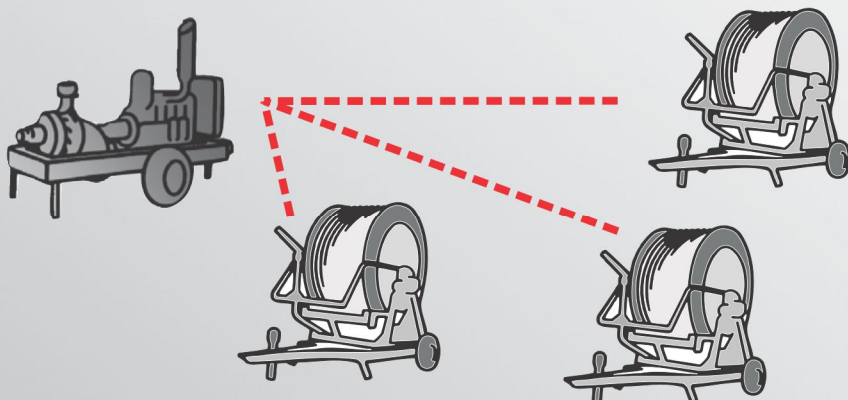
**SUPPORT FOR  
BASE ASSEMBLY**

**CRU-CIM type**

## USES YOUR MOBILE PHONE TO MANAGE THE SYSTEM

### COMMANDS VIA TEXT MESSAGES

- > Motor pump control option
- > Issues a warning message when a motor pump alarm is triggered
- > Option of viewing the control unit's key instruments



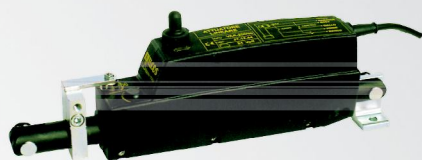
Motor pump accelerator control to maintain the system pressure (CIM-136, CIM-137) or engine rpm (CIM-138) constant.

### CIM-138/4GW

- > Maintains diesel engine rpm constant as the load on the water pump varies.
- > Controls the accelerator fitted on the diesel engine (via 2-wire linear actuator).
- > Can be used on systems for:
  - water transfer
  - water boosting
  - drip irrigation with very low working pressure
- > Integrated GPRS modem. System can be managed via SMS text message or ELCOS SMART CONTROL platform.
- > The commands for remotely setting the water pressure are not available.

## COMPATIBILITY TABLE

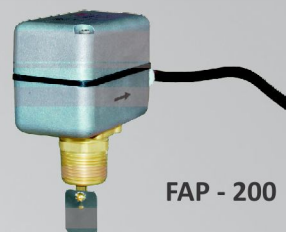
	CIM-130	CIM-131	CIM-132	CIM-136/4GW	CIM-137/4GW	CIM-138/4GW
<b>VAR-202 12V</b> 6-wire linear actuator	•			•		
<b>VAR-140 12V</b> 2-wire linear actuator		•	•		•	•
<b>VAR-144 24V</b> 2-wire linear actuator		•	•		•	•
<b>FAP-200 FLOW SWITCH</b> Signals when there is no flow through the pipeline	•	•	•	•	•	•
<b>CRU-CIM support</b> for base assembly	•	•	•	•	•	•
<b>Stage III/V engine version</b>	•			•		
<b>ZW-SMART Software</b>	•	•	•	•	•	•
<b>SMS</b>				•	•	•
<b>APP ELCOS SMART CONTROL</b> Multiplatform monitoring and telecontrol system				•	•	•



VAR - 202



VAR - 140



FAP - 200

# REMOTE IRRIGATION SYSTEM MANAGEMENT

## **ELCOS**® SMART CONTROL



Browser version also available





With the “**ELCOS SMART CONTROL**” platform you can remotely control and command multiple ELCOS devices at the same time, allowing you to efficiently monitor their use.

**Compatible control units: CIM-136/4GW, CIM-137/4GW, CIM-138/4GW**

#### FEATURES:

- > Remote control and supervision of multiple units from a single account, via APP (IOS or ANDROID) and WEB BROWSER
- > Confirmation of commands issued received
- > On/off command of single motor pump system
- > Operation mode selection (AUTOMATIC or MANUAL)
- > Controller-managed faults displayed in text form, even when the APP is off or in background in the form of notifications
- > Fault differentiation (yellow faults leave engine running, red faults stop engine)
- > Option to display complete fault log for the connected control unit
- > Multiple functions can be displayed in a single screen (operation, mode, status, engine overload protection enabled, pump overload protection enabled, RPM, fuel percentage, water pressure, engine temperature, engine oil pressure, battery voltage, timer)
- > Option to program the control unit clock with system start and stop times
- > Option to program fuel management, pressure setpoint, underpressure and overpressure differentials and to enable or disable pump overload protection.

