IrriMOP H6

The solution for any
HOSE REEL MACHINE

TECHNICAL DATA SHEET

MAIN FUNCTIONS

High/low pressure, bypass and auxiliary sprinkler valve management
Motor protection and control for hydraulic system
Adjustment of return speed and/or pluviometry
Management of pre/post irrigation times
Automatic pause for lack of water and/or wind intensity
Return speed change up to 4 sectors
Operating hours counter
Electronic sprinkler interface

MODELS

STANDARD	Version for local management
ID4	Remote control via App
ID4 PLATINUM	Remote control via App and Web + historical view

APPLICATIONS

TURBINE	Control of irrigation machines with turbine return
HYDRAULICS	Control of irrigation machines with hydraulic retraction
INTEGRATED	Irrigation machine control with integrated pumping unit (in combination with IdroMOP)

ACCESSORIES

Magnetic Antenna 4G 2M	(Available for ID4 and ID4 Platinum versions)
Magnetic Antenna 4G + GPS 2M	(Available for ID4 Platinum version)
Magnetic Antenna GPS GLONASS 3M	(Available for ID4 Platinum version)
Pressure transducer	
Speed sensor	
Anemometer	
Digital flowmeter	
Photovoltaic panel	
Bypass servomotor	
High pressure servomotor	
Low pressure servomotor	
Servomotor for auxiliary sprinkler	
Wirings	

TECHNICAL SPECIFICATIONS

Mechanics

Dimension	192,50 X 197,75 X 61,50 mm
Weight	650 g
Case	ABS + PC
Protection	IP66

Electronics

Power supply	9 - 30 Vdc
Absorption	100 - 220 mA
Operating temperature	From -10°C to +80°C

Radio

Coverage	165 countries
Network	LTE Cat 4, UMTS e GMS
Frequencies	LTE-FDD: B1,B2,B3,B4,B5,B7,B8,B12,B13, B18,B19,B20,B25,B26,B28,B66 LTE-TDD: B34,B38,B39,B40,B41
Position	GNSS
Protocol	TCP/IP

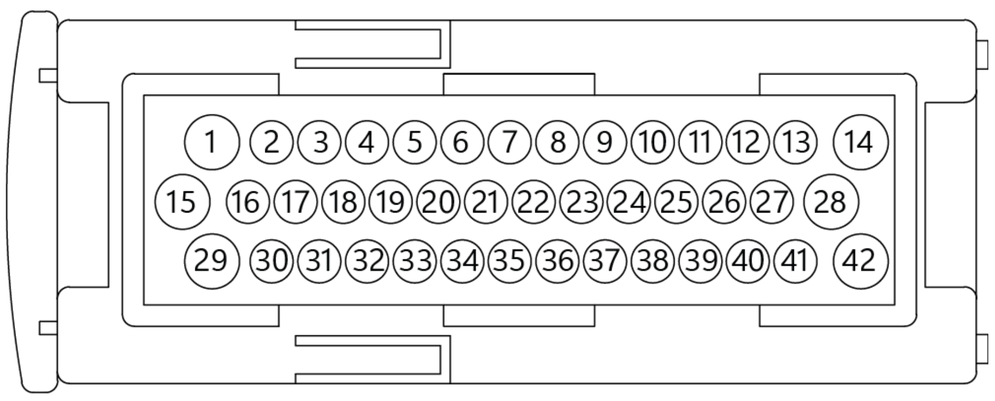
ELECTRIC CONNECTIONS

Contact insertion on flying connector

LEGEND

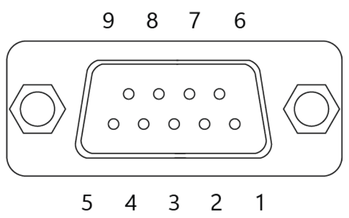
DI	Digital inputs	10
FDI	Frequency digital input	2
VAI	Voltage analogue inputs	3
CAI	Current analogue inputs	3 (4 - 20 mA)
PI	Power input	
PO	Power output	
DO	Digital output	
EN	Engine output	2
PNP	PNP outputs	3
NPN	NPN outputs	2
CB	CAN BUS	1

JPT42 connector

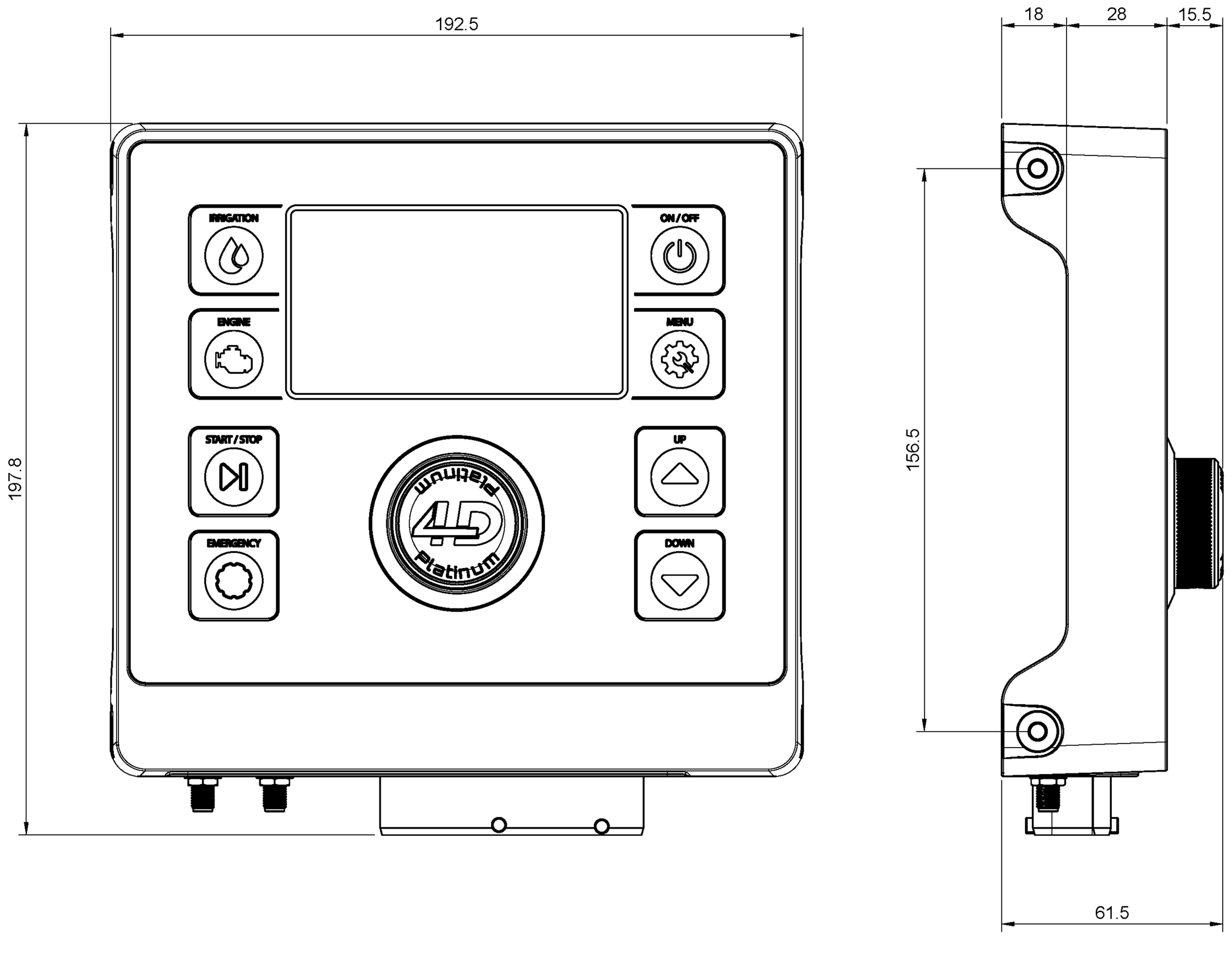


PIN	Riferimento	Caratteristiche	Descrizione
J1	31-GND	PI	NEGATIVE BATTERY
J2	-	VAI	ENGINE OIL PRESSURE SIGNAL
J3	-	CAI (4-20MA)	WATER VACUUM SIGNAL
J4	-	CAI (4-20MA)	WATER PRESSURE SIGNAL
J5	-	DI	RETRACTION SPEED SIGNAL
J6	-	DI	EXTERNAL STOP
J7	W-RPM	FDI	ENGINE RPM SIGNAL
J8	VALVE	EN (5A MAX)	ENGINE 2 -
J9	VALVE	EN (5A MAX)	ENGINE 2 +
J10	BY-PASS	EN (5A MAX)	ENGINE 1 -
J11	BY-PASS	EN (5A MAX)	ENGINE 1 +
J12	EV	PNP (5A MAX)	SOLENOID VALVE
J13	-	PNP (5A MAX)	AUXILIARY IRRIGATOR
J14	50	PNP (10A MAX)	START
J15	15/54	PO (10A MAX)	IGNITION-SWITCHED POSITIVE
J16	15/54	PO (5A MAX)	IGNITION-SWITCHED POSITIVE
J17	15/54	PO (5A MAX)	IGNITION-SWITCHED POSITIVE
J18	15/54	PO (5A MAX)	IGNITION-SWITCHED POSITIVE
J19	15/54	PO (5A MAX)	IGNITION-SWITCHED POSITIVE
J20	-	CB	CAN L
J21	-	CB	CAN L
J22	-	CAI (4-20MA)	WATER LEVEL SIGNAL
J23	ATA	DI	HIGH ENGINE TEMPERATURE ALARM
J24		DI (NA/NC Normally open/closed)	REEL ROTATION ALARM
J25	-	DI (NA/NC)	EXTERNAL EMERGENCY
J26	D+	DI/DO	D+
J27	-	NPN (5A MAX)	BLINKER
J28	+30	PI (12/24 VDC)	POSITIVE BATTERY
J29	31-GND	PI	NEGATIVE BATTERY
J30	-	VAI	ENGINE TEMPERATURE SIGNAL
J31	-	VAI	FUEL LEVEL SIGNAL
J32	31-GND	PI	NEGATIVE BATTERY
J33	31-GND	PI	NEGATIVE BATTERY
J34	-	CB	CAN H
J35	-	CB	CAN H
J36	COMMON RAIL	DI	FUEL PRESSURE FAULT ALARM
J37	-	DI	EXTERNAL START/STOP
J38	BPO	DI	LOW ENGINE OIL PRESSURE ALARM
J39	-	DI	FUEL RESERVE ALARM
J40	-	FDI	FLOW SWITCH SIGNAL
J41	-	NPN (5A MAX)	NPN AUXILIARY OUTPUT
J42	+30	PI (12/24 VDC)	POSITIVE BATTERY

WR-DSUB connector



Serial RS232 **Communication channel for exclusive use IdroMOP**

DS2	Line TX
DS3	Line RX
DS5	[31] Reference

MECHANICAL DIMENSIONS