

Control crane and tractor from your smartphone!



Our control system, IF32 - Powerfull, compact but still so simple...

- Everything can be operated from your smartphone.
- Wide selection of professional joysticks for both cab and control unit.
- Handles up to 9 bidirectional functions in one box.
- Connect slave boxes and get 9 extra functions with each box.
- Quick buttons on the joystick for selecting 4x6-function menus.
- Control lights, heater, etc., from the control unit or from your smartphone.
- With unidirectional functions, the number of outputs doubles.
- Communication via LoRa radio, GSM, or cable.
- Can be connected to 12V and 24V systems.

Send you're request to: info@infield.se

Technical data (preliminary)

Power	8 – 30VDC	
Max current	45A	
Analog in		
- no.	8ch	
- sensor type, signal	0 – 3.3V/4-20mA/NTC	State when ordering for each inport ch.
- inports, sample frequency	min 1kHz	Application dependent
Outputs		
- no.	8st bipolar/16 unipolar	Bipolar/unipoar is configurable.
- outports, type	On off/PWM	configurable
- outports, PWM freq.	5Hz – 5kHz	
- outports, max current	5A	Max tot. current consumption (45A) must not be exceeded.
- outports, voltage	Voltage in -2V	E.g. voltage drop to outports.
External memory	32GB uSD-card	Accessible from front.
Internal memory	128k Flash	Non volatile memory.
Display	LCD 128x64 pix.	With backlight.
Control knob	1 control wheel with 1 push button	
Wired communication		
- speed	>100 kBit/s	
- cable type	Min 4x0.35mm2 twisted pair	Note. Power over bus cable may require thicker leads.
- max. cable length	1 km	Note. Power over bus cable may reduce max distance.
Wireless communication, LoRa (long range radio, option)		
- speed	max 50 kBit/s	
- range	>100m	In open terrain
Wireless comm. GSM		
- wireless communication GSM	GPRS	GSM
Measurements		
LxWxD (mm)	175x80x58mm	External antenna adds aprox. 50mm.
Environmental durability		
	Fully adapted for mobile environment.	
Real time clock	aprox 24h	Capacitor powered