

## HyPro® -6

### Key features

Surface Mounted Joysticks (SMJ) technology allows for easy joystick exchange without opening the housing

Configurable and programmable via NBB programming tools



### Applications

EOT cranes / Gantry cranes / Mobile cranes / Aerial platforms / Lift equipment / Winches / Crushers and screeners / Agriculture / Landscaping / Mining / Firefighting / Concrete pumps

### Technical information

Communications	Single channel FSK
Safety	Multi bit address code with over 1 million combinations
Frequency bands	433.05 – 434.79 MHz 868 – 868.975 MHz 915 – 916.650 MHz (NA) Others available upon request
RF power	< or = 10 mW < or = 20 mW (NA)
Operating range	≤ 100 m
Antenna	Internal
Command response time	Approx. 15/60 ms typical
Low battery indication	Approximately 15 minutes
Operating time	Up to 30 hours continuous

### Power supply

Power supply	2 x AA LR6 disposable alkaline or rechargeable NiMH cells
Optional power supply	2,400 mAh, 7.2 VDC NiMH rechargeable battery pack
Battery pack charging time	Approximately 1 hour
Battery pack specifications	126 x 52 x 22 mm at 0.2 Kg
Battery pack charger power supply	110-230 VAC or 12-24 VDC
Charger AC power plug options	EU, USA, JP, GB, AU

### Equipment compliance

CE certification	Yes
FCC compliance	Part 15

### Transmitter specifications

Housing	Impact resistant fiberglass reinforced polycarbonate
Environmental protection	IP65
Operating temperature	-20 °C to 70 °C
Dimensions	280 x 160 x 141mm
Weight	1.29 Kg (without battery)
LCD display	Programmable backlit 2.4" monochrome graphic
Display contents	Operation, diagnostics and optional machine feedback

### Operator controls

Analog joysticks	Up to 6 single-axis
Joystick options	Black or red protective boots Stepped travel activation
Push buttons	Up to 2 x deck of 6 programmable momentary push buttons (12 total)
Off/On stop switch	Push/Twist to pull push button
Digital on/off functions	*Up to 20 on/off functions available via toggle switches, push buttons, rotary switches, key switch, etc.
Additional analog functions	Up to 4 analog devices such as potentiometers 1 x CAN I/O for machine control and feedback
Cable control interface	Up to 2 x on/off high side switching signals for stop

\*Consult factory for available combinations

## Accessories

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Battery 2,400 mAh / 7.2 V



Universal-charger 110-230 VAC



Charger 12-24 VDC



Joystick with boot



Side protectors for increased safety



Carrying system with waist and neck belt

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## Technologies



SMJ



Proximity Detection



Teach-in



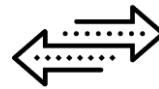
Multi-user system



NBB battery system



LBT frequency search



Data reporting



Tilt sensor