

HBC Radio Controls



TRANSMITTERS

	 	 	 	 	 	 	 
Push Buttons	8 one-step	8 two-step	6 or 8 two-step	10 two-step	8 two-step	10 two-step	12 one-step
Rotary Switch	*	-	-	Yes	Yes	2	-
LCD Display - Feedback / System Data	-	-	-	-	Yes	Color LCD	-
Protection Class	IP 55	IP 65	IP 54	IP 55 (opt. IP 65)	IP 65	IP 65	IP 55 (opt. IP 65)
Rechargeable NiMH Battery	7 days - avg 1 to 2 hrs/day	30 hrs continuous	15 days - avg 1 to 2 hrs/day	30 hrs continuous	10 hrs continuous	17 hrs continuous	30 hrs continuous
Radiomatic iLOG	-	Yes	-	Yes	-	Yes	Yes
Radiomatic iCON	-	-	-	-	Yes	-	-
Manual Frequency Switch	-	Yes	-	Yes	Yes	Yes	Yes
Vibration Alarm	-	-	-	Yes	-	Yes	-
Ex - zones*	-	Underground / 1 / 2 / 21 / 22	-	Underground / 1 / 2 / 21 / 22	-	Underground / 1 / 2 / 21 / 22	-
Recommended Receivers Radiobus	FSE 308, FSE 510, FSE 511, FSE 726 / 736 radiobus (only for rotary switch ver.)	FSE 308, FSE 510, FSE 511, FSE 512, FSE 516, FSE 726	FSE 510, FSE 511, FSE 512, FSE 516	FSE 308, FSE 510, FSE 511, FSE 512, FSE 516, FSE 524, FSE 726	FSE 510, FSE 511, FSE 512, FSE 516, FSE 524, FSE 726 / 736 radiobus	FSE 308, FSE 510, FSE 511, FSE 516, FSE 524, FSE 726 / 736 radiobus	FSE 308, FSE 510, FSE 511, FSE 512, FSE 516, FSE 524, FSE 726 / 736 radiobus

Available for all models : LED for indication of operation / battery status, Stop Impact Switch

Options*: user identification, radiomatic AFS, 2.4 Ghz technology, DECT, feedback, radiomatic shock-off / zero-g (roll detect in preparation), pre-selection of trolley or hoisting gear, tandem operation, radiomatic infrakey, catch-release

*Additional features available on request

	eco	spectrum 1	spectrum A	spectrum B	spectrum D
	 	 	 	 	 
Push Buttons	6 one-step	Numerous one-step	Numerous	Numerous	6 push, soft-keys
Rotary Switch	Upto 2	Numerous	Numerous	Numerous	Various, upto 4 linear levers
Joystick	2 joysticks with upto 4 steps analog	2 joysticks with upto 6 steps analog	2 joysticks with upto 6 steps or analog	3 joysticks with upto 6 steps analog	2 joysticks with upto 6 steps or analog
LCD Display - Feedback / System Data	-	-	Yes	Yes	3.5" color TFT
Rechargeable NiMH Battery	20 hrs continuous	20 hrs continious	10 hrs continuous	10 hrs continuous	9 hrs continuous
Radiomatic iCON	-	-	Yes	Yes	Yes
Vibration Alarm	Yes	-	-	-	-
Ex - zones*	-	Zone 2	Zone 2	Zone 2	-
Recommended Receivers	FSE 510,, FSE 511, FSE 512,FSE 516, FSE 724, FSE 726 / 736 radiobus	FSE 510, FSE 511, FSE 512, FSE 516, FSE 524, FSE 726 / 736 / 776 radiobus	FSE 510, FSE 511, FSE 516, FSE 524, FSE 726 / 736 / 776 radiobus	FSE 510, FSE 511, FSE 524, FSE 726 / 736 / 776 radiobus	FSE 510, FSE 511, FSE 524, FSE 726 / 736 / 776 radiobus

Available for all models : LED for indication of operation / battery status, Stop Impact Switch, Protection Class - IP 65, Manual Frequency Switch, radiomatic iLOG
Options*: user identification, radiomatic AFS/AFM, 2.4 Ghz technology, DECT, feedback, radiomatic shock-off / zero-g (roll detect in preparation), pre-selection of trolley or hoisting gear, tandem operation, radiomatic infrakey, catch-release,vibration alarm, front panel lightening, z-axis switches, micro/ orthogonal drive
*Additional features available on request

	spectrum 2	spectrum 3	linus 4	linus 6	technos
	 	 	 	 	 
Push Buttons	Numerous	Numerous	4 positions	6 positions	Upto 6
Rotary Switch	Numerous	Numerous	Various	Various, 6 linear levers	Upto 4
Joystick	Upto 3 joysticks or 8 linear levers	Upto 4 joysticks, upto 6 steps analog	2 joysticks with upto 4 steps or analog	-	2 joysticks with upto 6 steps or analog
LCD Display - Feedback / System Data	-	-	-	-	Yes or version with 5 LEDs
Rechargeable NiMH Battery	20 hrs continuous	40 hrs continious	16 hrs continuous	20 hrs continuous	9 hrs - LCD version 11 hrs - LED version
Radiomatic iLOG	Yes	Yes	Yes	radiomatic iON	radiomatic iON
Radiomatic iCON	-	-	-	-	Yes (LCD version only)
Manual Frequency Switch	Yes	Yes	Intelligent frequency management (2.4 GHZ Technology or DECT)	Yes	Yes
Ex - zones*	Zone 2	-	-	-	-
Recommended Receivers	FSE 510,, FSE 511, FSE 726 / 736 / 776 radiobus	FSE 510, FSE 511, FSE 524, FSE 726 / 736 / 776 radiobus	FSE 510, FSE 511, FSE 512, FSE 516, FSE 524, FSE 726 radiobus	FSE 510, FSE 727 radiobus	FSE 510, FSE 511, FSE 516, FSE 524, FSE 726 / 736 radiobus

Available for all models : LED for indication of operation / battery status, Stop Impact Switch, Protection Class - IP 65

Options*: user identification, radiomatic AFS/AFM, 2.4 Ghz technology, DECT, feedback, radiomatic shock-off / zero-g (roll detect in preparation), pre-selection of trolley or hoisting gear, tandem operation, radiomatic infrakey, radiomatic iBAR, radiomatic CPS, catch-release,vibration alarm, front panel lightening, z-axis switches, enabling switch, micro/ orthogonal drive

*Additional features available on request

RECEIVERS

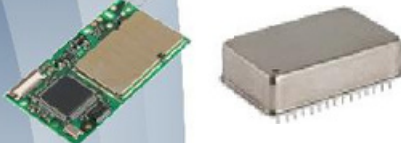
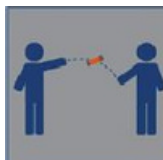
	FSE 508	FSE 510	FSE 512	FSE 516	FSE 524
					
Special Features	Intermittent brake; coupling brake lock	-	Infrared Relay	Infrared Relay	Infrared Relay
Black & White Commands	8	8	12	16	24
Analog Commands	-	-	-	1	1
Interface (Analog or Serial)	-	CAN open	-	CAN open	CAN open
Feedback Capability	-	Yes	-	Yes	Yes
Power Supply	10 - 30 V DC	42 - 240 V AC, 10 - 30 V DC	42 - 240 V AC	42 - 240 V AC	42 - 240 V AC, 15 - 30 V DC
Dimensions	145 x 145 x 72 mm	165 x 165 x 70 mm	165 x 165 x 70 mm	269 x 202 x 60 mm (plastic) 270 x 160 x 115 mm (aluminum)	270 x 160 x 115 mm
Connection	Cable Glands	-	-	-	Han 32 or Cable glands
Ex- Zones*	-	Zones 1 / 2 / 21 / 22 (in pressure-resistant enclosure)	-	Zones 2 / 22 (aluminum ver. only)	Zones 2 / 22 (aluminum ver. only)
Recommended Transmitters	orbit, patrol S	orbit, cubix, radiomatic pilot, quadrix, keynote, micron5, micron6, micron7, linus4, eco, technos and the entire spectrum series	cubix, radiomatic pilot, quadrix, keynote, micron5, micron6, linus4, eco, spectrum 1	cubix, radiomatic pilot, quadrix, keynote, micron5, micron6, micron7, linus4, eco, technos, spectrum 1 spectrum A	radiomatic pilot, keynote, micron5, micron6, micron7, linus4, eco, technos and the spectrum series

	FSE 526 radiobus	FSE 536 radiobus	FSE 776 radiobus	geo x
				
Special Features	Intermittent brake; coupling brake lock	-	Infrared Relay	Infrared Relay
Module Cards	Upto 2	Upto 4	Upto 13	-
Black & White Commands	Upto 20	Upto 36	Upto 100	Upto 36
Analog Commands	Upto 10	Upto 10	Upto 10	Upto 8
Interface (Analog or Serial)	CAN-Bus, Profibus-DP, RS 232/485, DeviceNet, Profinet		CAN-Bus, Profibus-DP, RS 232/485, DeviceNet, Profinet	CAN-Bus, Profibus-DP, RS 232/485, DeviceNet, Profinet
Feedback Capability	Digital, analog or serial	Digital, analog or serial	-	Yes
Power Supply	42 - 240 V AC	42 -115 V AC, 100 - 240 V AC	42 - 115 V AC, 100 - 240 V AC	24 - 48 V AC, 42 - 240 V AC, 42 - 115 V AC, 110 - 240 V AC or 10 - 30 V DC
Dimensions	165 x 165 x 115 mm	270 x 160 x 115 mm	360 x 260 x 115 mm	
Connection	Han 32 or cable glands	Han 32 or Han 50	2 x Han 32, Han 50 or Han 64	Han 32 or Han 50
Ex- Zones*	Zones 1 / 2 / 21 / 22 (in pressurs-resistant enclosure)	Zones 1 / 21 (in pressurs-resistant enclosure) and 2 / 22	-	-
Recommended Transmitters	orbit (versions with rotary switch only), radiomatic pilot, keynote, micron5, micron6, micron7, linus4, eco, technos and the spectrum series	orbit (versions with rotary switch only), keynote, micron6, micron7, eco, technos and the spectrum series	The spectrum series	Different versions in various combinations with radiobus receivers are available

Available for all models: E-STOP- Performance level d, category 3 according to EN ISO 13849-1:2008*, Protection Class- IP 65

Options* : radiomatic AFS/AFM, 2.4 GHZ Technology, DECT, Tandem operation, catch release, radiomatic infrakey, internal antenna, operation with Multi-Receiver-Concepts(MRC)

*Additional features available on request

SPARES	SPECIAL FEATURES	SAFETY FEATURES		
Battery Spares  RF Modules  Carrying Standards 	 radiomatic iBAR  radiomatic infrakey  radiomatic iON  Feedback  radiomatic iON  Orthogonal Drive	 Vibration Alarm  User Identification  Shut Off  Speed Limit  radiomatic shock-off  radiomatic roll-detect  radiomatic zero-g  radiomatic catch-release		
 Construction Cranes	 Industry & Logistics	 Forestry Applications	 Mobile Hydraulics	 Data Transmission

Authorized Distributor:



evolve thru power

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