

EX Approvals



MC-3-5-EX



MC-3-6-EX



MC-3300-EX

Cavotec is a leading cleantech company that designs and delivers connection and electrification solutions to enable the decarbonization of ports and industrial applications.

For more than 30 years, Cavotec has engineered advanced radio remote control systems in close co-operation with customers worldwide.

We are the leading provider of radio remote controls for use in hazardous areas. We have extensive international approvals backed by more than 30 years' experience.

Benefits

- Intrinsically safe EX batteries that can be changed in hazardous areas.
- No external antenna required on terminals, which guarantees a trouble-free use especially off shore
- Duplex transmission (with feedback to terminals) on a single frequency. Receiver units require a single antenna.
- Optional 4-pin cable control available allowing bi-directional communication and secure power supply for the terminal. No battery required when using control cable.
- Four different terminal styles available.
- Approvals include extended operational ambient temperature range of -30°C to +60°C.
- Approvals for Europe, Russia, Australia, US, and Canada.

Approvals & Standards

Approvals	Area	Zone	Group	Temp. Class	Ambient Temperature
ATEX Terminal	Mining I	M1	Ex ia I Ma	N/A	-30°C to +60°C*
ATEX Terminal	Gas II	1G	Ex ia IIB Ga	T4	-30°C to +60°C*
ATEX Terminal	Gas II	2G	Ex ib IIB Gb	T4	-30°C to +60°C*
ATEX Base Unit (Antenna)	Mining I	(M1)	[Ex ia Ma] I	N/A	-30°C to +60°C
ATEX Base Unit (Antenna)	Gas II	(1)G	[Ex ia Ga] IIB	N/A	-30°C to +60°C
ATEX Base Unit (Cable Barrier)	Mining I	(M1)	[Ex ia Ma] I		-30°C to +60°C
ATEX Base Unit (Cable Barrier)	Gas II	3(1)G	Ex nA [ia Ga] IIB Gc	T5	-30°C to +60/70°C
IECEX	According to ATEX				
EAC	According to ATEX (only Mining I and Gas II)				
ANZEx Terminal	Mining I	N/A	Ex ia I Ma	N/A	-30°C to +60°C
ANZEx Base Unit (Antenna)	Mining I	(M1)	[Ex ia Ma] I	N/A	-30°C to +70°C
ANZEx Base Unit (Cable Barrier)	Mining I	(M1)	[Ex ia Ma] I		-30°C to +60°C
MSHA (USA) Terminal (MC-3-6)	Mining	N/A	Approval No. 18-A090009-0	N/A	N/A
PA (USA) Terminal (MC-3-6)	Mining	N/A	Approval No. BFE 158-11	N/A	N/A
FM (C/US) Terminal <i>(NEC500/CEC Annex J)</i>	Gas Class I	Division 1	C D	T3C T4	-30°C to + 60°C* -30°C to + 45°C*
FM (C/US) Terminal <i>(NEC505)</i>	Gas Class I	Zone 1	AEx ia	T3 T4	-30°C to + 60°C* -30°C to + 45°C*
FM (C/US) Base unit <i>(NEC500/CEC Annex J)</i>	Associated apparatus Class I	Division 1	C D	T4	-30°C to +60°C
FM (C/US) Base unit <i>(NEC505)</i>	Gas Class I	Zone 1	AEx ia	T4	-30°C to +60°C

- * -30°C to + 60°C Power over cable control
 -20°C to + 60°C Power over MC-EX-Battery3
 -20°C to + 60°C Power over MC-EX-Battery3 UL (T3/T3C)
 -20°C to + 45°C Power over MC-EX-Battery3 UL (T4)

Please contact your local Cavotec Sales Office for further information at cavotec.com. Disclaimer: specifications are subject to change without notice.