



г. Санкт-Петербург

ООО "АТ-ПА"

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Emergency main engine telegraph system

System composition

No.	Name & specification	Type	Weight	IP Rating
1.	Emergency main engine telegraph transmitter	CCL-1AC-Q	1.0kg	IP22
2.	Emergency main engine telegraph transmitter	CCL-1/2AC-Q	0.7kg	IP22
3.	Emergency main engine telegraph receiver	CCL-1AH	0.8kg	IP44
4.	Emergency main engine telegraph receiver	CCL-IAF-Q	0.6kg	IP22
5.	Emergency main engine telegraph repeater	CCL-1/2AF-Q	1.7kg	IP22
6.	Stabilized voltage supply	DF-2	2.1kg	IP22
7.	Flashing light and buzzer unit	SG-3C	0.9kg	IP44

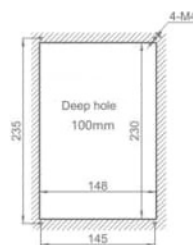
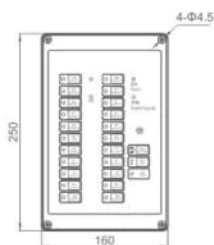
Functional description

- ① CCL Emergency Telegraph has 11 levels:forehead1,forehead2,forehead3,forehead4,stand by,stop,finished,astern1,astern2,astern3,astern4.
- ② Order error alarm: When the forward or astern signal is not synchronous detection by gear case of M/E and Emergency main engine telegraph receiver, The emergency main engine telegraph transmitter will send out order error alarm signal.Signal of M/E's gear case must be estimate obey the input detection signal of Emergency main engine telegraph receiver.
- ③ Power failure alarm: when the main power is fault, It could switchover to emergency power automatically, and Emergency mainengine telegraph transmits send out visual and audio signal of power failure alarm.
- ④ Light adjustable: the indicator in the wheel house panel can be adjuste.
- ⑤ VDR(RS485).The default is the 0183 communication protocol.
- ⑥ Emergency main engine telegraph receiver output a pair of passive closed contact and a pair of active contact (DC24V 1A).
- ⑦ The function of switching between the front and rear switches: the function of the other side as the repeater is not allowed to be issued and returned by the other side of the switch control.

CCL-1/2AC-Q Emergency main engine telegraph transmitter

Specification

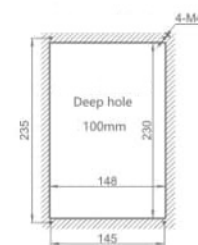
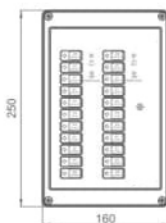
Colour: Dull black
 Shell material: ABS
 Alarm sound level: $\geq 75\text{dB}$
 IP rating: IP22
 With the function of power failure alarm, system failure alarm and order error alarm
 With VDR interface.



CCL-1/2AF-Q Emergency main engine telegraph repeater

Specification

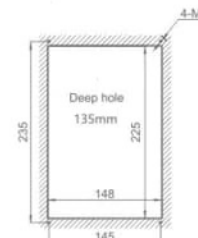
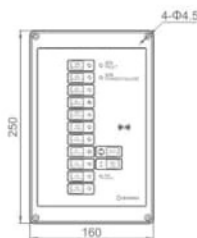
Colour: Dull black
 Shell material: ABS
 Alarm sound level: $\geq 75\text{dB}$
 IP rating: IP22
 Order error alarm



CCL-1AC-Q Emergency main engine telegraph transmitter

Specification

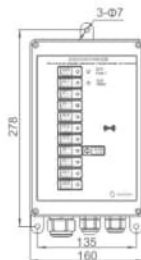
Colour: Dull black
 Shell material: ABS
 Alarm sound level: $\geq 75\text{dB}$
 IP rating: IP22
 With the function of power failure alarm, system failure alarm and order error alarm
 With VDR interface.



CCL-1AH Emergency main engine telegraph receiver

Specification

Colour: Dull black
 Shell material: ABS
 Cable gland: PG16,2-PG13.5
 Alarm sound level: $\geq 75\text{dB}$
 IP rating: IP44
 Order error alarm



CCL-1AF-Q Emergency main engine telegraph repeater

Specification

Colour: Dull black
 Shell material: ABS
 Alarm sound level: $\geq 75\text{dB}$
 IP rating: IP22
 Order error alarm

