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## Electronic Seal Payload Description

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DATA – 4B useful data

### UPLINK

DATA[0]	DATA[1]	DATA[2]	DATA[3]
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### ALARM

DATA[0]

type	reed_alarm	alarm_acc	alarm_fibr	battery_low	fibre_error	dlink_ok	calibr_error
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Type	1
reed_alarm	1 if reed disconnects
alarm_acc	1 if alarm from acc
alarm_fibre	1 if alarm from disconnection of optical fibre
battery_low	1 if battery is low
fibre_error	1 if there is something with optical fibre
dlink_ok	1 if dl came
calibr_error	1 if optical fibre is wrong connected

DATA[1] - num\_of\_acc\_alarm; if >255 again from 0

DATA[2] - num\_of\_fibre\_alarm; if >255 again from 0

DATA[3] -num\_of\_recalibr; if >255 again from 0

### KEEP ALIVE

DATA[0] = 0x80;



DATA[1] - num\_of\_acc\_alarm; if >255 again from 0  
DATA[2] - num\_of\_fibre\_alarm; if >255 again from 0  
DATA[3] - num\_of\_recalibr; if >255 again from 0

## POWER ON

DATA[0] = 0x00;  
DATA[1] – reserved of service  
DATA[2] – reserved of service  
DATA[3] - num\_of\_starts; if >255 again from 0

## DOWNLINK

DATA[0]	DATA[1]	DATA[2]	DATA[3]
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DATA[0]

off	authorization	recalibration	buzzer_on	blinking_on	acc_on	restart	reserved
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off – turns off seal  
authorization – authorization after reed  
recalibration – recalibration of optic fibre without restart  
buzzer\_on – turns on buzzer  
blinking\_on – turns on blinking of led once per 30s  
acc\_on – turns on acc  
restart – restart of seal and recalibration  
reserved = not used  
DATA[1] - acc\_ths - 0 - 7  
DATA[2] - kpa\_interval 1 – 168h  
DATA[3] - dlink\_interval 0 - 7d / 0 - off