

### Battery capacity calculation table FX / Intellia

			Pcs	Standby current mA	Alarm current mA	Standby current mA	Alarm current mA
<b>Panels and options</b>		FX, FXL ja FXM (incl. MC ja UI)	1	65	105	65	105
		ALCA	1	54	54	54	54
		SAB	1	40	40	40	40
<b>Total, Panels and options</b>						159	199
<b>Devices that are powered</b>		FMP	1	22	42	22	42
<b>Total, External devices</b>						22	42
<b>Detectors</b>							
Optical smoke detector		EDI-20	2	0.4	(3,4)*	0.8	0.8
<b>Call points</b>							
Manual call point, with isolator		EPP-20	1	0.3	(5,0)*	0.0	0.0
<b>Alarm devices</b>							
Addressable base sounder, with isolator		ESI-20	2	0.3	5.0	0.6	10.0
<b>Control and monitoring devices, Surface mount models</b>							
Monitor module, 1 input		EMI-310	3	1.0	(4,0)*	3.0	3.0
Control module, 1 output		EMI-301	3	0.4	1.8	1.2	5.4
<b>Control and monitoring devices, DIN-rail models</b>							
<b>Xpander Wireless</b>							
Device LED alarm current (max 5 devices with LEDs on at the same time)*							17.5
<b>Total number of field devices</b>			11				
<b>Loop components in total</b>						6	37
<b>Current consumption in total</b>						187	278
Battery capacity = (L1 x T1 + L2 x T2) x 1,25 Ah							
L1 = Standby current	0.2 A	<b>Battery capacity</b>					<b>7.2 Ah</b>
T1 = Battery backup time	30 h	Charge time (hours)				1.7 h	
L2 = Alarm device current	0.3 A	<b>Chosen Battery capacity</b>					<b>12.0 Ah</b>
T2 = Alarm time	0.5 h	Backup time with chosen batterie				50.7 h	
		(Actual standby time)					