Battery capacity calculation table
FX NET and MESA FX / LC and SLC loop interfaces

			Pcs	Standby current mA	Alarm current mA	Standby current mA	Alarm current mA
	Ethernet configured	FX, FXL and FXM (incl. **MC2** and **UI2**)	1	135	171	135	171
		SLC	1	56	56	56	56
Optical smoke detector,with isolator		ESMI 22051EI	2				
Optical smoke detector		ESMI 22051E	20				
Photo -thermal detector, with isolator		ESMI 22051TEI	7				
Photo -thermal detector		ESMI 22051TE	45				
ROR Thermal detector, with isolator		ESMI 52051REI	4				
ROR Thermal detector		ESMI 52051RE	6				
Manual call point, with isolator		MCP5A, WCP5A	7				
Sounder strobe, with isolator, WSS-PR-I33	Medium Volume	2	30				
Sounder strobe, with isolator, WSS-PR-I33	High Volume	2	1				
Control unit, 1 output		EM201E	2				
240V- DIN-rail relay control unit		EM201E-240	2				
Control unit, 2 inputs, 1 output		EM221E	0				
Remote LED (output from detector limited to 10,8mA)		NLY-91200	0				
Remote Indicator		LED 5301 / 5302 & 5303	0				
Toggle loop type selection buttons to refresh							
Loop1 ◉ SLC ○ LC			**126**			**28**	**248**
Loop 2 ◉ SLC ○ LC			**0**			**0**	**0**
Loop 3 ◉ SLC ○ LC			**0**			**0**	**0**
Loop 4 ◉ SLC ○ LC			**0**			**0**	**0**
Loop 5 ◉ SLC ○ LC			**0**			**0**	**0**
Loop 6 ◉ SLC ○ LC			**0**			**0**	**0**
Loop 7 ◉ SLC ○ LC			**0**			**0**	**0**

Loop 8 ◉ SLC ○ LC	0		0	0
Total number of field devices	**126**			
Loop current consumption in total			**28**	**248**
Current consumption (Panels + Loops) in total			**219**	**475**

Battery capacity = (L1 x T1 + L2 x T2) x 1,25 Ah

L1 = Standby current	0,2 A	**Battery capacity**	**20,0**	**Ah**
T1 = Battery backup time	72 h	Charge time (hours)	4,7	h
L2 = Alarm device current	0,5 A	**Chosen Battery capacity**	**24,0**	**Ah**
T2 = Alarm time	0,5 h	Backup time with chosen batteries (Actual standby time)	86,7	h