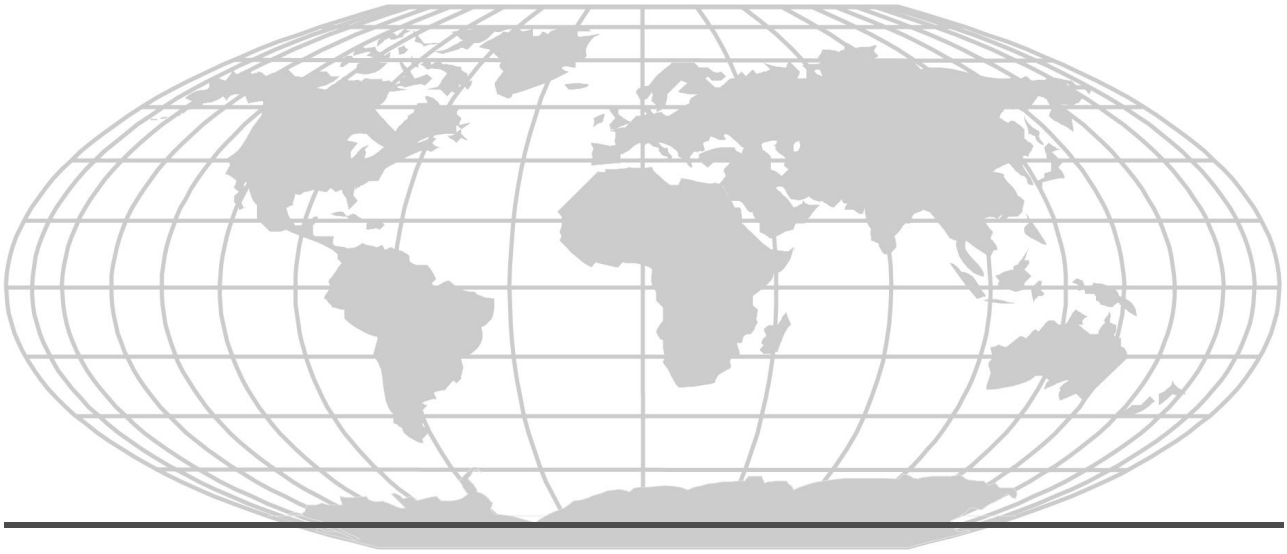
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Supplement to the AMPS-24 Manual 51907 Rev C, dated 2/09/2006



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Tables 4.1 and A.1 have been modified to include current draw for the high-speed network control modules, HS-NCM-W, HS-NCM-MF, HS-NCM-SF, HS-NCM-MFSF, HS-NCM-WMF, HS-NCM-WSF.

	Quantities		Calculation Column 1 Primary, Non-Fire Alarm Current (amps)			Calculation Column 2 Primary, Fire Alarm Current (amps)			Calculation Column 3 Secondary, Non-Fire Alarm Current (amps)		
AMPS-24 *Terminal Blocks:*	TB2*	TB6	X [current draw]=	Total on: TB2	TB6	X [current draw]=	Total on: TB2	TB6	X [current draw]=	Total on: TB2	TB6
CPU-3030, CPU2-3030	1	N/A	x [0.120]=	0.12	0	x [0.120]=	0.12	0	x [0.120]=	0.12	0
Keyboard/Display Option	1	N/A	x [0.220]=	0.22	0	x [0.220]=	0.22	0	x [0.220]=	0	0
LCM-320 (refer to Doc. 51330)	[ ]	N/A	x [0.130]=		0	x [0.130]=		0	x [0.130]=		0
LEM-320 (refer to Doc. 51330)	[ ]	N/A	x [0.100]=		0	x [0.100]=		0	x [0.100]=		0
SLC Loop†	[ ]	N/A	x [0.200]=		0	x [0.200]=		0	x [0.200]=		0
NCA, NCA-2 (Backlight ON)	[ ]	[ ]	x [0.400]=			x [0.400]=			x [0.400]=		
NCA, NCA-2 (Backlight OFF)	[ ]	[ ]	x [0.200]=			x [0.200]=			x [0.200]=		
NCM-W, NCM-F	[ ]	[ ]	x [0.110]=			x [0.110]=			x [0.110]=		
HS-NCM-W/MF/SF/MFSF/WMF/WSF	[ ]	[ ]	x [0.400]=			x [0.400]=			x [0.400]=		
DPI-232‡	[ ]	[ ]	x [ ]			x [ ]=			x [ ]=		
ICM-4RK, CRM-4RK	[ ]	N/A	x [0.007]=		0	x [0.072]=		0	x [0.007]=		0
ICE-4	[ ]	N/A	x [0.001]=		0	x [0.065]=		0	x [0.001]=		0
CRE-4	[ ]	N/A	N/A		0	x [0.065]=		0	N/A		0
DCM-4RK	[ ]	N/A	x [0.008]=		0	x [0.080]=		0	x [0.008]=		0
VCE-4	[ ]	N/A	x [0.001]=		0	x [0.040]=		0	x [0.001]=		0
VCM-4RK	[ ]	N/A	x [0.007]=		0	x [0.040]=		0	x [0.007]=		0
IZM-8RK	[ ]	N/A	x [0.047]=		0	x [0.047]=		0	x [0.047]=		0
IZE-A	[ ]	N/A	x [0.004]=		0	x [0.003]=		0	x [0.004]=		0
ARM-4 Auxiliary Relay	[ ]	[ ]				x [0.146]=					
DHX-501 (Duct Detector)	[ ]	[ ]	x [0.025]=			x [0.087]=			x [0.025]=		
ACM-24AT	[ ]	[ ]	x [0.016]=			x [0.070]=			x [0.016]=		
ACM-48A	[ ]	[ ]	x [0.016]=			x [0.070]=			x [0.016]=		
AEM-24AT	[ ]	[ ]	x [0.002]=			x [0.056]=			x [0.002]=		
AEM-48A	[ ]	[ ]	x [0.002]=			x [0.056]=			x [0.002]=		
Maximum number of LEDs illuminated on these annunciators during non-fire conditions:	[ ]	[ ]	x [0.0054]=						x [0.0054]=		
AFM-16AT, AFM-32A	[ ]	[ ]	x [0.040]=			x [0.056]=			x [0.040]=		
ACM-16AT, ACM-32A	[ ]	[ ]	x [0.040]=			x [0.056]=			x [0.040]=		
AEM-16AT, AEM-32A	[ ]	[ ]	x [0.002]=			x [0.018]=			x [0.002]=		
TM-4	[ ]	[ ]	x [0.110]=			x [0.175]=			x [0.110]=		
SCS-8 (refer to Doc. 15712)	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
AFM-16A	[ ]	[ ]	x [0.025]=			x [0.065]=			x [0.025]=		
LCD-80	[ ]	[ ]	x [0.100]=			x [0.100]=			x [0.050]=		
ACM-8R (refer to Doc. 15342)	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
LDM (refer to Doc. 15885)	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
UZC-256	[ ]	[ ]	x [0.035]=			x [0.085]=			x [0.035]=		
AMG-1, AMG-E, ATG-2	[ ]	[ ]	x [0.060]=			x [0.060]=			x [0.060]=		
FFT-7, FFT-7S	[ ]	[ ]	x [0.060]=			x [0.120]=			x [0.060]=		
RM-1	[ ]	[ ]	x [0.020]=			x [0.020]=			x [0.020]=		
FZM-1, MMX-2	[ ]	[ ]	x [0.0094]=			x [0.090]=			x [0.0094]=		
XPIQ (Refer to Doc. 51013)	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
RPT-W, RPT-WF, RPT-F	[ ]	[ ]	x [0.017]=			x [0.017]=			x [0.017]=		
RPT-485W, RPT-485WF	[ ]	[ ]	x [0.049]=			x [0.049]=			x [0.049]=		
RFX	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
UDACT Communicator	[ ]	[ ]	x [0.040]=			x [0.100]=			x [0.040]=		
VEC-25/50	[ ]	N/A	x [0.215]=		0	x [1.215]=		0	x [0.215]=		0
with optional FC-AAM25	[ ]	N/A	x [0.245]=		0	x [2.215]=		0	x [0.245]=		0
Four-Wire Smoke Detectors	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
Power Supervision Relay (A77-716B)	[ ]	[ ]	x [0.020]=			x [0.020]=			x [0.020]=		
Compatible Devices not listed above**	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
Accessories Output (TB6) Sub-totals (Cannot exceed 1.0 A)			Primary, non-alarm:			Primary, alarm:			Secondary, non-alarm:		
Panel Output (TB2) Sub-totals (Cannot exceed 4.5 A††)			Primary, non-alarm:			Primary, alarm:			Secondary, non-alarm:		
AMPS-24									[ ] x [0.052]=		
Local Energy Municipal Box						[ ]x [ ]=					
Sum each column for totals			Primary, non-alarm:			Primary, alarm:			Secondary, non-alarm:		

Table 4.1: System Draw Current Calculations

* Devices powered by the Panel Output (TB2) draw current through the fire panel's connection to the power supply.

† Value represents an SLC's maximum current draw. Refer to device datasheets for individual current draws. Total device current cannot exceed 200mA.

‡ Current consumption of the DPI-232 is dependent upon the baud rate selection (via slide switch on the DPI-232). See DPI-232 manual for details.

** Refer to manual and/or Device Compatibility Document.

††Maximum output:4.2 A when 5V output (TB6) is used.
3.5 A when 24V output (TB6) is used.
3.2 A when both outputs on TB6 are used.

AMPS-24 Terminal Blocks:	Quantities TB2*	TB6	Calculation Column 1 Primary, Non-Fire Alarm Current (amps) X [current draw]=	Total on: TB2	TB6	Calculation Column 2 Primary, Fire Alarm Current (amps) X [current draw]=	Total on: TB2	TB6	Calculation Column 3 Secondary, Non-Fire Alarm Current (amps) X [current draw]=	Total on: TB2	TB6
XLS3000-CPU Keyboard/Display	1	N/A	x [0.120]=	0.12	0	x [0.120]=	0.12	0	x [0.120]=	0.12	0
Option	1	N/A	x [0.220]=	0.22	0	x [0.220]=	0.22	0	x [0.220]=	0	0
XLS-ELCM-320, LCM-320 (refer to Doc. 52509)	[ ]	N/A	x [0.130]=		0	x [0.130]=		0	x [0.130]=		0
XLS-ELEM-320, LEM-320 (refer to Doc. 52509)	[ ]	N/A	x [0.100]=		0	x [0.100]=		0	x [0.100]=		0
SLC Loop†	[ ]	N/A	x [0.200]=		0	x [0.200]=		0	x [0.200]=		0
NCA, NCA-2 (Backlight ON)	[ ]	[ ]	x [0.400]=			x [0.400]=			x [0.400]=		
NCA, NCA-2 (Backlight OFF)	[ ]	[ ]	x [0.200]=			x [0.200]=			x [0.200]=		
NCM-W, NCM-F	[ ]	[ ]	x [0.110]=			x [0.110]=			x [0.110]=		
HS-NCM-W/MF/SF/MFSF/WMF/WSF	[ ]	[ ]	x [0.400]=			x [0.400]=			x [0.400]=		
DPI-232‡	[ ]	[ ]	x [ ]			x [ ]=			x [ ]=		
DHX-501 (Duct Detector)	[ ]	[ ]	x [0.025]=			x [0.087]=			x [0.025]=		
ACM-24AT	[ ]	[ ]	x [0.016]=			x [0.070]=			x [0.016]=		
ACM-48A	[ ]	[ ]	x [0.016]=			x [0.070]=			x [0.016]=		
AEM-24AT	[ ]	[ ]	x [0.002]=			x [0.056]=			x [0.002]=		
AEM-48A	[ ]	[ ]	x [0.002]=			x [0.056]=			x [0.002]=		
Maximum number of LEDs illuminated on these annunciators during non-fire conditions:	[ ]	[ ]	x [0.0054]=						x [0.0054]=		
TM-4	[ ]	[ ]	x [0.110]=			x [0.175]=			x [0.110]=		
SCS-8 (refer to Doc. 15712)	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
AFM-16A	[ ]	[ ]	x [0.025]=			x [0.065]=			x [0.025]=		
XLS-LCD-80	[ ]	[ ]	x [0.100]=			x [0.100]=			x [0.050]=		
ACM-8R (refer to Doc. 15342)	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
LDM (refer to Doc. 15885)	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
UZC-256	[ ]	[ ]	x [0.035]=			x [0.085]=			x [0.035]=		
AMG-1, AMG-E, ATG-2	[ ]	[ ]	x [0.060]=			x [0.060]=			x [0.060]=		
FFT-7, FFT-7S	[ ]	[ ]	x [0.060]=			x [0.120]=			x [0.060]=		
RM-1	[ ]	[ ]	x [0.020]=			x [0.020]=			x [0.020]=		
TC841A1000, XLS-MM-Z	[ ]	[ ]	x [0.0094]=			x [0.090]=			x [0.0094]=		
XPIQ (Refer to Doc. 51013)	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
RPT-W, RPT-WF, RPT-F	[ ]	[ ]	x [0.017]=			x [0.017]=			x [0.017]=		
RPT-485W, RPT-485WF	[ ]	[ ]	x [0.049]=			x [0.049]=			x [0.049]=		
RFX	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
UDACT Communicator	[ ]	[ ]	x [0.040]=			x [0.100]=			x [0.040]=		
VEC-25/50	[ ]	N/A	x [0.215]=		0	x [1.215]=		0	x [0.215]=		0
with optional FC-AAM25	[ ]	N/A	x [0.245]=		0	x [2.215]=		0	x [0.245]=		0
Four-Wire Smoke Detectors	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
Power Supervision Relay (A77-716B)	[ ]	[ ]	x [0.020]=			x [0.020]=			x [0.020]=		
Compatible Devices not listed above**	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
	[ ]	[ ]	x [ ]=			x [ ]=			x [ ]=		
Accessories Output (TB6) Sub-totals (Cannot exceed 1.0 A)			Primary, non-alarm:			Primary, alarm:			Secondary, non-alarm:		
Panel Output (TB2) Sub-totals (Cannot exceed 4.5 A††)			Primary, non-alarm:			Primary, alarm:			Secondary, non-alarm:		
AMPS-24									[ ] x [0.052]=		
Local Energy Municipal Box						[ ]x [ ]=					
Sum each column for totals			Primary, non-alarm:			Primary, alarm:			Secondary, non-alarm:		

Table A.1: System Draw Current Calculations (XLS3000)

* Devices powered by the Panel Output (TB2) draw current through the fire panel's connection to the power supply.
† Value represents an SLC's maximum current draw. Refer to device datasheets for individual current draws. Total device current cannot exceed 200mA.
‡ Current consumption of the DPI-232 is dependent upon the baud rate selection (via slide switch on the DPI-232). See DPI-232 manual for details.
** Refer to manual and/or Device Compatibility Document.
†† Maximum output:4.2 A when 5V output (TB6) is used.
3.5 A when 24V output (TB6) is used.
3.2 A when both outputs on TB6 are used.