

Galaxy Pre-Configuration

When uploaded to the Galaxy controller, the **Q_PCONFIG_V2.GAL** file will pre-configure TL1 alarm events, user defined events and provide the necessary TL1 links to Galaxy's standard alarm set to minimize the remaining configuration required.

The installer will need only to modify the User Defined event to complete the program line. The program line defines on what condition the alarm event is to be asserted.

The quantity and types of alarm events will certainly vary in different site locations. The most common types of these alarms were chosen to be pre-configured.

Any user defined event or TL1 event that is added by this file, may be modified, deleted or additional added to satisfy a particular site's requirements. Events that are not needed for the equipment installed may be left in place or deleted.

Additional information regarding required alarm points, thresholds and TL1 message scripting is found in Qwest's Technical Publication 77385 Chapter 12.

Uploading

The file is uploaded to Galaxy by using the Easy View path: File → Restore, then selecting the **Q_PCONFIG_V2.GAL** file from the appropriate folder on the hard drive.

The Tables on the following pages provide a matrix of the pre-configured TL1 and User Defined events that are contained in the file.

Table A - User Defined / TL1 Matrix

Table B - Standard Alarm / TL1 Matrix

Table C – Standard Alarm Set Thresholds modified from default

The Q_PCONFIG_V2.GAL file should be used only when no other User Defined or TL1 events have been configured in the controller.

Questions may be referred to Rod Hurda – Tyco Electronics @ 815-385-0163.

TABLE A - USER DEFINED TL1 ALARM MATRIX

MONITORED ALARM	TL1	UD EVENT	AID	CONDITION TYPE	SERVICE AFFECT
AC FAILURE ALARM					
COML AC FAILURE	TL001	U0001	COMAC1	COML_AC_FAIL	ENABLE
48V PLANT ALARMS					
48V PLT HIGH VLTG CRIT	TL002	U0002	N48B1	HIGH_VOLTAGE	ENABLE
48V PLANT CAPACITY MAJOR	TL003	U0003	N48B1	CAPACITY_EXCEEDED	ENABLE
Note: All other 48V plant alarms for low voltage, very low voltage, high voltage minor, high voltage shutdown and minor plant capacity use Galaxy's standard alarm set.					
ROOM TEMPERATURE ALARMS					
LOW ROOM TEMPERATURE	TL004	U0004	N48B1ROOM	LOW_TEMPERATURE	ENABLE
HIGH ROOM TEMPERATURE	TL005	U0005	N48B1ROOM	HIGH_TEMPERATURE	ENABLE
LOW ENGINE ROOM TEMPERATUE	TL006	U0006	ENGALT1ROOM	LOW_TEMPERATURE	ENABLE
HIGH ENGINE ROOM TEMPERATUE	TL007	U0007	ENGALT1ROOM	HIGH_TEMPERATURE	ENABLE
INVERTER ALARMS					
INVERTER FAIL	TL010	U0010	1PHINV1	FAIL	ENABLE
INVERTER MINOR	TL011	U0011	1PHINV1	MINOR	DISABLE
INVERTER MAJOR	TL012	U0012	1PHINV1	MAJOR	ENABLE
INVERTER LOAD TRANSFER	TL013	U0013	1PHINV1	OFF_NORMAL	DISABLE
INVERTER VOLTAGE LOW	TL014	U0014	1PHINV1	LOW_VOLTAGE	ENABLE
INVERTER VOLTAGE HIG	TL015	U0015	1PHINV1	HIGH_VOLTAGE	ENABLE
INVERTER CAPACITY MINOR	TL016	U0016	1PHINV1	CAPACITY_EXCEEDED	DISABLE
INVERTER CAPACITY MAJOR	TL017	U0017	1PHINV1	CAPACITY_EXCEEDED	ENABLE
+130V PLANT ALARMS					
+130V PLANT MAJOR	TL020	U0020	P130C1	MAJOR	ENABLE
+130V PLANT MAINOR	TL021	U0021	P130C1	MINOR	DISABLE
+130V CONVERTER FAIL	TL022	U0022	P130C1	FAIL	DISABLE
+130V PLANT FUSE	TL023	U0023	P130C1	FUSE/BRKR_OPERATE	ENABLE
+130v PLANT LOW VOLTAGE	TL024	U0024	P130C1	LOW_VOLTAGE	ENABLE
+130V PLANT HIGH VOLTAGE	TL025	U0025	P130C1	HIGH_VOLTAGE	ENABLE
+130V PLANT CAPACITY MINOR	TL026	U0026	P130C1	CAPACITY_EXCEEDED	DISABLE
+130V PLANT CAPACITY MAJOR	TL027	U0027	P130C1	CAPACITY_EXCEEDED	ENABLE
RING PLANT ALARMS					
RING PLANT MAJOR	TL030	U0030	RNG1	MAJOR	ENABLE
RING PLANT MINOR	TL031	U0031	RNG1	MINOR	DISABLE
RING PLANT GENERATOR FAIL	TL032	U0032	RNG1RGEN	FAIL	DISABLE
RING PLANT INTER FAIL	TL033	U0033	RNG1INTER	FAIL	ENABLE
RING PLANT FUSE FAIL	TL034	U0034	RNG1FUSE	FUSE/BRKR_OPERATE	ENABLE
RING PLANT TRSFR	TL035	U0035	RNG1	TRANSFER	DISABLE
TABLE A CONTINUED NEXT PAGE					

TABLE A - USER DEFINED TL1 ALARM MATRIX

MONITORED ALARM	TL1	UD EVENT	AID	CONDITION TYPE	SERVICE AFFECT
48V PLANT BATTERY ALARMS					
BAT A LOW TEMPERATURE	TL080	U0080	N48B1BATAPC	LOW_TEMPERATURE	ENABLE
BAT A HIGH TEMPERATURE	TL081	U0081	N48B1BATAPC	HIGH_TEMPERATURE	ENABLE
BAT A PILOT VLTG LOW	TL082	U0082	N48B1BATAPC	LOW_VOLTAGE	ENABLE
BAT A PILOT VLTG HIGH	TL083	U0083	N48B1BATAPC	HIGH_VOLTAGE	ENABLE
BAT A MID STRING VLTG LOW	TL084	U0084	N48B1BATAM	LOW_VOLTAGE	ENABLE
BAT A MID STRING VLTG HIGH	TL085	U0085	N48B1BATAM	HIGH_VOLTAGE	ENABLE
BAT A CAPACITY MINOR	TL086	U0086	N48B1BATA	CAPACITY_EXCEEDED	DISABLE
BAT A CAPACITY MAJOR	TL087	U0087	N48B1BATA	CAPACITY_EXCEEDED	ENABLE
BAT A RECHARGING	TL088	U0088	N48B1BATA	RECHARGE	DISABLE
BAT B CAPACITY MINOR	TL089	U0089	N48B1BATB	CAPACITY_EXCEEDED	DISABLE
BAT B CAPACITY MAJOR	TL090	U0090	N48B1BATB	CAPACITY_EXCEEDED	ENABLE
BAT B RECHARGING	TL091	U0091	N48B1BATB	RECHARGE	DISABLE
BAT C CAPACITY MINOR	TL092	U0092	N48B1BATC	CAPACITY_EXCEEDED	DISABLE
BAT C CAPACITY MAJOR	TL093	U0093	N48B1BATC	CAPACITY_EXCEEDED	ENABLE
BAT C RECHARGING	TL094	U0094	N48B1BATC	RECHARGE	DISABLE
BAT D CAPACITY MINOR	TL095	U0095	N48B1BATD	CAPACITY_EXCEEDED	DISABLE
BAT D CAPACITY MAJOR	TL096	U0096	N48B1BATD	CAPACITY_EXCEEDED	ENABLE
BAT D RECHARGING	TL097	U0097	N48B1BATD	RECHARGE	DISABLE
TABLE A CONTINUED NEXT PAGE					

TABLE A - USER DEFINED TL1 ALARM MATRIX

MONITORED ALARM	TL1	UD EVENT	AID	CONDITION TYPE	SERVICE AFFECT
48V PLANT RECTIFIER ALARMS					
RECT G1 FAILURE	TL130	U0130	N48B1RECT1	FAIL	DISABLE
RECT G1 OVERCURRENT MINOR	TL131	U0131	N48B1RECT1	OVER_CURRENT	DISABLE
RECT G1 OVERCURRENT MAJOR	TL132	U0132	N48B1RECT1	OVER_CURRENT	ENSABLE
RECT G2 FAILURE	TL133	U0133	N48B1RECT2	FAIL	DISABLE
RECT G2 OVERCURRENT MINOR	TL134	U0134	N48B1RECT2	OVER_CURRENT	DISABLE
RECT G2 OVERCURRENT MAJOR	TL135	U0135	N48B1RECT2	OVER_CURRENT	ENSABLE
RECT G3 FAILURE	TL136	U0136	N48B1RECT3	FAIL	DISABLE
RECT G3 OVERCURRENT MINOR	TL137	U0137	N48B1RECT3	OVER_CURRENT	DISABLE
RECT G3 OVERCURRENT MAJOR	TL138	U0138	N48B1RECT3	OVER_CURRENT	ENSABLE
RECT G4 FAILURE	TL139	U0139	N48B1RECT4	FAIL	DISABLE
RECT G4 OVERCURRENT MINOR	TL141	U0140	N48B1RECT4	OVER_CURRENT	DISABLE
RECT G4 OVERCURRENT MAJOR	TL141	U0141	N48B1RECT4	OVER_CURRENT	ENSABLE
RECT G5 FAILURE	TL142	U0142	N48B1RECT5	FAIL	DISABLE
RECT G5 OVERCURRENT MINOR	TL143	U0143	N48B1RECT5	OVER_CURRENT	DISABLE
RECT G5 OVERCURRENT MAJOR	TL144	U0144	N48B1RECT5	OVER_CURRENT	ENSABLE
RECT G6 FAILURE	TL145	U0145	N48B1RECT6	FAIL	DISABLE
RECT G6 OVERCURRENT MINOR	TL146	U0146	N48B1RECT6	OVER_CURRENT	DISABLE
RECT G6 OVERCURRENT MAJOR	TL147	U0147	N48B1RECT6	OVER_CURRENT	ENSABLE
RECT G7 FAILURE	TL148	U0148	N48B1RECT7	FAIL	DISABLE
RECT G7 OVERCURRENT MINOR	TL149	U0149	N48B1RECT7	OVER_CURRENT	DISABLE
RECT G7 OVERCURRENT MAJOR	TL150	U0150	N48B1RECT7	OVER_CURRENT	ENSABLE
RECT G8 FAILURE	TL151	U0151	N48B1RECT8	FAIL	DISABLE
RECT G8 OVERCURRENT MINOR	TL152	U0152	N48B1RECT8	OVER_CURRENT	DISABLE
RECT G8 OVERCURRENT MAJOR	TL153	U0153	N48B1RECT8	OVER_CURRENT	ENSABLE
RECT G9 FAILURE	TL154	U0154	N48B1RECT9	FAIL	DISABLE
RECT G9 OVERCURRENT MINOR	TL155	U0155	N48B1RECT9	OVER_CURRENT	DISABLE
RECT G9 OVERCURRENT MAJOR	TL156	U0156	N48B1RECT9	OVER_CURRENT	ENSABLE
RECT G10 FAILURE	TL157	U0157	N48B1RECT10	FAIL	DISABLE
RECT G10 OVERCURRENT MINOR	TL158	U0158	N48B1RECT10	OVER_CURRENT	DISABLE
RECT G10 OVERCURRENT MAJOR	TL159	U0159	N48B1RECT10	OVER_CURRENT	ENSABLE
RECT G11 FAILURE	TL160	U0160	N48B1RECT11	FAIL	DISABLE
RECT G11 OVERCURRENT MINOR	TL161	U0161	N48B1RECT11	OVER_CURRENT	DISABLE
RECT G11 OVERCURRENT MAJOR	TL162	U0162	N48B1RECT11	OVER_CURRENT	ENSABLE
RECT G12 FAILURE	TL163	U0163	N48B1RECT12	FAIL	DISABLE
RECT G12 OVERCURRENT MINOR	TL164	U0164	N48B1RECT12	OVER_CURRENT	DISABLE
RECT G12 OVERCURRENT MAJOR	TL165	U0165	N48B1RECT12	OVER_CURRENT	ENABLE

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TABLE A - USER DEFINED TL1 ALARM MATRIX

MONITORED ALARM	TL1	UD EVENT	AID	CONDITION TYPE	SERVICE AFFECT
48V PLANT DISTRIBUTION FUSE/CIRCUIT BREAKER ALARMS					
DIST CB/FUSE 1 LOAD	TL170	U0170	N48B1DIST1	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 2 LOAD	TL171	U0171	N48B1DIST2	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 3 LOAD	TL172	U0172	N48B1DIST3	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 4 LOAD	TL173	U0173	N48B1DIST4	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 5 LOAD	TL174	U0174	N48B1DIST5	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 6 LOAD	TL175	U0175	N48B1DIST6	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 7 LOAD	TL176	U0176	N48B1DIST7	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 8 LOAD	TL177	U0177	N48B1DIST8	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 9 LOAD	TL178	U0178	N48B1DIST9	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 10 LOAD	TL179	U0179	N48B1DIST10	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 11 LOAD	TL180	U0180	N48B1DIST11	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 12 LOAD	TL181	U0181	N48B1DIST12	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 13 LOAD	TL182	U0182	N48B1DIST13	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 14 LOAD	TL183	U0183	N48B1DIST14	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 15 LOAD	TL174	U0184	N48B1DIST15	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 16 LOAD	TL185	U0185	N48B1DIST16	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 17 LOAD	TL186	U0186	N48B1DIST17	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 18 LOAD	TL187	U0187	N48B1DIST18	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 19 LOAD	TL188	U0188	N48B1DIST19	CAPACITY_EXCEEDED	DISABLE
DIST CB/FUSE 20 LOAD	TL189	U0189	N48B1DIST20	CAPACITY_EXCEEDED	DISABLE
-130V PLANT ALARMS					
-130V PLANT MAJOR	TL190	U0190	N130C1	MAJOR	ENABLE
-130V PLANT MAINOR	TL191	U0191	N130C1	MINOR	DISABLE
-130V CONVERTER FAIL	TL192	U0192	N130C1	FAIL	DISABLE
-130V PLANT FUSE	TL193	U0193	N130C1	FUSE/BRKR_OPERATE	ENABLE
-130v PLANT LOW VOLTAGE	TL194	U0194	N130C1	LOW_VOLTAGE	ENABLE
-130V PLANT HIGH VOLTAGE	TL195	U0195	N130C1	HIGH_VOLTAGE	ENABLE
-130V PLANT CAPACITY MINOR	TL196	U0196	N130C1	CAPACITY_EXCEEDED	DISABLE
-130V PLANT CAPACITY MAJOR	TL197	U0197	N130C1	CAPACITY_EXCEEDED	ENABLE
-24V PLANT ALARMS					
-24V PLANT MAJOR	TL200	U0200	N24C1	MAJOR	ENABLE
-24V PLANT MAINOR	TL201	U0201	N24C1	MINOR	DISABLE
-24V CONVERTER FAIL	TL202	U0202	N24C1	FAIL	DISABLE
-24V PLANT FUSE	TL203	U0203	N24C1	FUSE/BRKR_OPERATE	ENABLE
-24V PLANT LOW VOLTAGE	TL204	U0204	N24C1	LOW_VOLTAGE	ENABLE
-24V PLANT HIGH VOLTAGE	TL205	U0205	N24C1	HIGH_VOLTAGE	ENABLE
-24V PLANT CAPACITY MINOR	TL206	U0206	N24C1	CAPACITY_EXCEEDED	DISABLE
-24V PLANT CAPACITY MAJOR	TL207	U0207	N24C1	CAPACITY_EXCEEDED	ENABLE

TABLE B - GALAXY STANDARD ALARM TL1 MATRIX

TL1	IDE	MONITORED ALARM	AID	CONDITION TYPE	SERVICE AFFECT
TL220	ABS1	ALARM BATTERY SUPPLY	N48B1ABS	FUSE/BRKR_OPERATE	ENABLE
TL221	ACF1	AC FAIL	N48B1RECT	INPUT_FAIL	DISABLE
TL222	BBL1	MEMORY BACKUP BATTERY LOW	N48B1PWRSUPPLY	LOW_VOLTAGE	DISABLE
TL223	BDA1	BATTERY ON DISCHARGE	N48B1	LOW_VOLTAGE	ENABLE
TL224	BPF1	BATTERY POWER FUSE	N48B1CNTRL1	FUSE/BRKR_OPERATE	ENABLE
TL225	CPA1	CIRCUIT PACK FAIL	N48B1MPROC	MICROPROC_FAIL	ENABLE
TL226	CRA1	CONTROLLER FAIL	N48B1MPROC	MICROPROC_FAIL	ENABLE
TL227	CRF1	CONTROLLER FUSE	N48B1MPROC	FUSE/BRKR_OPERATE	ENABLE
TL228	EPD1	EXCESS PLANT DRAIN	N48B1	CAPACITY_EXCEEDED	ENABLE
TL229	ERD1	EXCESS RECTIFIER DRAIN	N48B1RECT	CAPACITY_EXCEEDED	DISABLE
TL230	FAJ1	EXTERNAL FUSE MAJOR	N48B1DIST	FUSE/BRKR_OPERATE	ENABLE
TL231	FAN1	EXTERNAL FUSE MINOR	N48B1DIST	FUSE/BRKR_OPERATE	DISABLE
TL232	HFV1	HIGH FLOAT VOLTAGE	N48B1	HIGH_VOLTAGE	ENABLE
TL233	HVA1	HIGH VOLTAGE HVSD	N48B1	HIGH_VOLTAGE	ENABLE
TL234	LMR1	LIMITED RECHARGE	N48B1	CAPACITY_EXCEEDED	DISABLE
TL235	MDF1	MODULE FAILURE	PSMCRPM	INPUT_FAIL	ENABLE
TL236	MOR1	MEASUREMENT OUT OF RANGE	PSMCRPM	INPUT_FAIL	ENABLE
TL237	PHT1	PROCESOR HALT	N48B1	MICROPROC_FAIL	ENABLE
TL238	RBF1	REG BAT FUSE	N48B1REG	FUSE/BRKR_OPERATE	DISABLE
TL239	RFA1	RECTIFIER FAIL	N48B1RECT	FAIL	DISABLE
TL240	RPF1	REMOTE PERIPHERAL FUSE	N48B1MCPROC	FUSE/BRKR_OPERATE	ENABLE
TL241	STF1	SELF TEST FAILED	N48B1MPROC	INPUT_FAIL	DISABLE
TL242	VLA1	VERY LOW VOLTAGE	N48B1	VERY_LOW_VOLTAGE	ENABLE
TL243	VSF1	SENSE/CONTROL FUSE	N48B1	FUSE/BRKR_OPERATE	DISABLE
TL244	MFA1	MULTIPLE RECT FAIL	N48B1RECT	FAIL	ENABLE
TL245	CMA1	MINOR COMMUNICATION FAIL	N48B1CNTRL1	FAIL	DISABLE
TL246	MCM1	MAJOR COMMUNICATION FAIL	N48B1CNTRL1	FAIL	ENABLE
TL247	MTC1	MODULE TYPE CONFLICT	PCMCRPM	FAIL	DISABLE
TL248	BID1	BAY ID CONFLICT	N48B1CNTLR1	FAIL	ENABLE
TL249	DID1	RECT ID CONFLICT	N48B1RECT	FAIL	DISABLE
TL250	ZID1	RECT ID NOT CONFIG	N48B1RECT	FAIL	ENABLE

TABLE C - CONFIGURATION OF GALAXY STANDARD ALARMS					
IDE	DESCRIPTION	SEVERITY	LED	RELAY	THRESHOLD
BDA1	Battery On Discharge	MAJ	BD	BD	50.10
HFV1	High Voltage Shutdown	CRIT	RECT	HV	56.00
HVA1	High Float Voltage	MAJ	RECT	-	53.80
VLV1	Very Low Voltage	CRIT	BATT	UR3	46.50

THRESHOLDS INDICATED ARE FOR 48V PLANT FLOAT VOLTAGE OF 52.8 VOLTS. IF OTHER THAN 52.8 VOLT FLOAT IS USED, MODIFY THRESHOLDS SHOWN PER SECTION 12 OF QWEST TECH PUB 77385 TABLE 12-5 PART 1A, PG 12-10.