



NRAQ.E95239 Programmable Controllers

Programmable Controllers

Guide Information

MITSUBISHI ELECTRIC CORP

E95239

2-2-3 MARUNOUCHI
CHIYODA-KU
TOKYO 100-8310, JAPAN

Battery unit, Model Q170BAT.

Dividing units, Models Q173DV, Q173DV-S1, -S2.

Extension units, Models F-20-ER-UL, F-40ER-UL, F1-10ER-UL, F1-20ER-UL, F1-40ER-UL, F1-60ER-UL, F2-40ER-UL, F2-40MR-D, F2-60ER-UL.

Models F-20-ER-UL, F-40ER-UL, F1-10ER-UL, F1-20ER-UL, F1-40ER-UL, F1-60ER-UL, F2-40ER-UL, F2-40MR-D, F2-60ER-UL.

Interface units, Models FX2N- followed by 32DP-IF.

Motion controller system, consisting of the following modules: CPU modules, Models A171SCPU, A171SHCPUN, A171SCPU-S3, A171SHCPU, A172SHCPU, A172SHCPUN, A173UHCPU, A173UHCPU-S1, A273UHCPU, A273UHCPU-S3. Servo external module, Model A278LX. Manual pulse generator/synchronous encoder modules, Models A171SENC, A172SENC, A273EX. Synchronous encoder, Model MR-HENC. Base units, Models A172B, A168B, A175B, A178B, A178B-S1, A178B-S2, A178B-S3, A255B, A268B, A272B, A275B, A278B.

Programmable controllers, Models F-20-MR-UL, F-40MR-UL, F1-12MR-UL, F1-20MR-UL, F1-30MR-UL, F1-40MR-UL, F1-60MR-UL, F2-40MR-UL, F2-60MR-UL.

Special function block, Model FX2N-64CL-M.

Programmable controller systems: Series "A", consisting of the following modules: CPU modules, Types A2NCPUL-UL, A3NCPUL-UL. Type A followed by 2, 3 or 4, followed by A or U, followed by CPU, may be followed by P21 or R21, followed by -UL, may be followed by -S1. Memory cassettes, Type A3NMCA followed by 0, 2, 4, 8, 16, 24 or 40, followed by -UL. Power supply modules, Types A61P-UL, A61PEU, A62PEU, A67RP; Base units, Types A32B-UL, A35B-UL, A38B-UL, A55B-UL, A58B-UL, A65B-UL, A68B-UL. Input modules, Type AX followed by 10, 20, 40, 41, 70 or 80, followed by -UL, Type AX followed by 11 or 21, followed by EU. Output modules, Type AY followed by 10A, 11, 40, 41, 50, 51, 60S or 70, followed by -UL, Type AY followed by 15 or 20, followed by EU. Connection cables, Types AC06B-UL, AC12B-UL, AC30B-UL. I/O modules, Types A1SX10EU,

A1SX20EU, A1SY10EU, A1SY14EU, A1SY18AEU, A1SY28EU. Input modules, Type A1S followed by 42X, 42Y; Types A1SH42, A1SH42-S1, A1SJ-56DR, -56DT; Type A1SX followed by 10, 20, 30, 40, 40-S1, -S2, 41, 41-S2, 42, 71, 80, 80-S1, -S2, 81, 81-S2, 48Y18, -58. Memory cassettes, Types A1SMCA-2KE, -8KE, -8KP, A2SMCA-14KE, -14KP. Output module, Type A1SY followed by 10, 18A, 22, 28A, 40, 41, 42Y, 50, 60, 60E, 68A, 71, 80, 81. Power supply modules, Types A1S61P, A1S61PN, A1S62P, A1S62PN. Pressure displacement type connectors, Types A6CON3, -3E. Programming unit, Type A7PUS. Soldering type connectors, Types A6CON1, -1E. Special function modules, Types A1SD51S, A1SD51S-S1, A1S62DA, A1S62RD3, A1S62RD4, A1S63ADA, A1S64AD, A1SD61, A1SD70, A1SD71-S2, -S7, A1SG60, A1SG62, A1SI61, A1SJ71AP21, A1SJ71AP21-S3, A1SJ71AR21, A1SJ71AT21B, A1SJ71C24-PRF, -R2, -R4, A1SJ71UC24-PRF, -R2, -R4, A1SJ71PT32-S3, A1SJ71T21B, A1SJ72T25B, A1SP60, A1ST60, AJ71DN91, AJ71QLR21, AJ72QLR25, AJ71QLP21S, A68RD3N, A68RD4N.

Analog multiplex module, Models A60MXR-S1, A60MXT-S1, A60MXRN, A60MXTN.

Ethernet modules, Models AJ71E71N-B2, AJ71E71N-B5T, AJ71QE71N-B2, AJ71QE71N-B5T.

Programmable controller systems, "QnAs" Series, consisting of the following modules: CPU modules, Types Q2ASCPU, Q2ASCPU-S1, Q2ASHCPU, Q2ASHCPU-S1; CPU base units, Type A1S38HB; Network modules, A1SJ7QLP21, A1SJ71QLP21GE, A1SJ71QLP21S, A1SJ72QLP25, A1J7QBR11, A1SJ72QBR15, A1SJ71QLR21, A1SJ72QLR25; Serial communication modules, A1SJ71QC24, A1SJ71QC24-R2, A1SJ71QC24N, A1SJ71QC24N-R2; Ethernet modules, A1SJ71QE71-B2, A1SJ71QE24-B5, A1SJ71QE71N-B2, A1SJ71QE71N-B5T; Power supply modules, Types A1S61P, A1S62P; Input modules, A1SX8 followed by 10, 20, 30, 40, 40-S1, 40-S2, 41, 41-S2, 42, 71, 80, 80-S1, 80-S2, 81, 81-S2, 48Y18, 48Y5, A1SJ-56DR, A1SJ-56DT, A1SH42, A1S followed by 42X, 42Y.

"A" Series programmable controllers, consisting of the following modules: CPU modules, Types A1SCPU, A1SCPU-S1, A1SHCPU, A1SJHCPU, -S8, A1SJCPU, A1SJCPU-S3, A2ASCPU, A2ASCPU-M128, A2ASCPU-S1, A2ASCPU-S30, A2ASCPU-S60, A2SCPU, A2SCPU-S1, A2SHCPU, A2SHCPU-S1, A2USCPU, A2USCPU-M128, A2USCPU-S1, A2USCPU-S30, A2USCPU-S60, A2USHCPU-S1. Memory cassettes, Types A1SMCA-2KE, A1SMCA-8KE, A1SMCA-8KP, A1SNMCA-2KE, A1SNMCA-8KE, A1SNMCA-8KP, A2SMCA-14KE, A2SMCA-14KP, A2SNMCA-30KE. Power supply modules, Types A1S61P, A1A61PN, A1S62P, A1S62PN. Extension base units, Types A1S32B, A1S33B, A1S35B, A1S38B, A1S52B, A1S52B-S1, A1S55B, A1S55B-S1, A1S58B, A1S58B-S1, A1S65B, A1S65B-S1, A1S68B, A1S68B-S1. Input modules, Type A1SX followed by 10, 20, 30, 40, 40-S1, 40-S2, 41, 41-S2, 42, 42-S2, 71, 80, 80-S1, 80-S2, 81, 81-S2, 82-S1, 48458, 48Y18, A1S, A1SH42-S1, A1SJ-56DR, A1SJ-56DT; Model A1SH42 followed by 42X, 42Y. Output modules, Type A1SY followed by 10, 18A, 22, 28A, 40, 41, 42, 50, 60, 60E, 68A, 71, 80, 81, 82. Connection cable, Types A1SC01B, A1SC03B, A1SC05NB, A1SC07B, A1SC12B, A1SC30B, A1SC50B, A1SC60B, A1SC20B-S1, AC30R4-PUS. Special function modules, Types A1S62DA, A1S62E, A1S62LS, A1S62RD3, A1S62RD3N, A1S62RD4, A1S62RD4N, A1S63ADA, A1S64AD, A1S68AD, A1S64TCTT-S1, A1S64TCTTBW-S1, A1S64TCRT-S1, A1S64TCRTBW-S1, A1S62TCTT-S2, A1S62TCTTBW-S2, A1S62TCRT-S2, A1S62TCRTBW-S2, A1S68DAI, A1S68DAV, A1S68TD, A1SD51S, A1SD51S-S1, A1SD52-S1, A1SD52-S2, A1SD61, A1SD62, A1SD62D, A1SD62D-S1, A1SD62E, A1SD70, A1SD71-S2, A1SD71-S7, A1SD75M1, A1SD75M2, A1SD75M3, A1SD75P1-S3, A1SD75P2-S3, A1SD75P3-S3, A1SJ71E71N-B2, A1SJ71E71-B5T, A1SG60, A1SG62, A1SI61, A1SJ71LR21, A1SJ71AP21, A1SJ71AP21-S3, A1SJ71AR21, A1SJ71AS92, A1SJ71AT21B, A1SJ71C24-R2, A1SJ71C24-R4, A1SJ71C24-PRF, A1SJ71DN91, A1SJ71PB93D, A1SJ71UC24-R2, A1SJ71UC24-R4, A1SJ71UC24-PRF, A1SJ71PT32-S3, A1SJ71T21B, A1SJ72T25B, A1SP60, A1ST60, A2SD71-S7. Programming unit, Type A7PUS.

Eprom write adaptors, Types A6WA-28P, A2SWA-28P. Soldering type connectors, Types A6CON1, A6CON1E. Crimp contact type connectors, Types A6CON2, AC6CON2E. Pressure displacement type connectors, Types A6CON3, A6CON3E.

Input/Output modules, Types A1SX10EU, A1SX20EU, A1SY10EU, A1SY14EU, A1SY18AEU, A1SY28EU.

Programmable controller, Model FX- followed by 16MR, 24MR, 32ER, 32MR, 48ER, 48MR, 64MR, 80MR, 128MR, followed by -ES/UL suffix; Model FX- followed by 16MT, 24MT, 32MT, 48ET, 48MT, 64MT, 80MT, 128MT, followed by -ESS/UL; Model FX- followed by 24MR, 48ER, 48MR, 64MR, followed by -UA1/UL.

Programmable controllers, expansion units, Model FX- or FXon-followed by 8ER, 8EX, 8EYR, 8EYS, 16EX,

16EYR, 16EYS, followed by -ES/UL or UA1/UL suffix; Model FX- or FXon- followed by 8EYT, 16EYT, followed by -ESS/UL suffix.

Programmable controller, Model FXO- followed by -14MR, -20MR, -30MR, followed by -ES/UL suffix; Model FXO- followed by -14MT, -20MT, -30MT, followed by -E/UL suffix.

Programmable controller, Model FX0S- followed by 10MR, 14MR, 20MR or 30MR, followed by -ES/UL suffix; Model FX0S- followed by 16MR or 24MR, followed by -UA1/UL suffix; Model FX0S followed by 10MR, followed by -ES/UL, followed by -BS suffix.

Programmable controller, Model FX1N- followed by 14MR, 24MR, 40MR, 60MR, followed by -ES/UL suffix.

Programmable controller , Model FX1N- followed by 14MT, 24MT, 40MT, 60MT, followed by -ESS/UL suffix.

Programmable controller , Model FX1N- followed by 14MR, 24MR, 40MR, 60MR, followed by -DS suffix.

Programmable controller , Model FX1N- followed by 14MT, 24MT, 40MT, 60MT, followed by -DSS suffix.

Programmable controller , Model FX1N- followed by 14MR, 24MR, 40MR, 60MR.

Programmable controller , Model FX1N- followed by 14MT, 24MT, 40MT, 60MT.

Programmable controller , Model FX1N- followed by 14MR, 24MR, 40MR, 60MR, followed by -D suffix.

Programmable controller , Model FX1N- followed by 14MT, 24MT, 40MT, 60MT, followed by -D suffix.

Programmable controller , Model FX1N, followed by 60MT, followed by -TRL.

Programmable controller, Model FX1S- followed by 10MR, 14MR, 20MR, 30MR, followed by -ES/UL suffix; Model FX1S followed by 10MR, 14MR, 20MR, 30MR, followed by -DS suffix; Model FX1S followed by 10MT, 14MT, 20MT, 30MT, followed by -DS suffix.

Model FX1S, followed by 10MT, 14MT, 20MT, 30MT, followed by -ESS/UL suffix.

Model FX1S, followed by 10MR, 14MR, 20MR, 30MR.

Model FX1S, followed by 10MT, 14MT, 20MT, 30MT.

Model FX1S, followed by 10MR, 14MR, 20MR, 30MR, followed by -D suffix.

Model FX1S, followed by 10MT, 14MT, 20MT, 30MT, followed by -D suffix.

Programmable controller, Model FXon followed by 24MR, 40ER, 40MR, 60MR, followed by -ES/UL or -UA1/UL suffixes.

Programmable controller, A2C Series, consisting of the following modules: CPU modules: Models A2CCPU, A2CCPUC24, A2CCPUC24-PRF, A2CCPUP21, A2CCPUR21; Power supply module: Model A66PC; Input modules: Models AX11C, -41C, -81C; Output modules: Models AY13C, -23C, -51C, -81C; Combined input and output modules: Models AX10Y10C, -22C, AX40Y10C, -50C, AX80Y10C, -80C; Special function modules: Models A64DAIC, -DAVC, -RD3C, -RD4C, A68ADC, AD61C.

Programmable controller, Model FX2C followed by 64MT, 96MT, 128MT, 160MT, followed by -ESS/UL; Model FX- followed by 32ER, 48ER, followed by -ES/UL suffix; Model FX- followed by 48ER, followed by -UA1/UL suffix; Model FX2C followed by 64MT, 96MT, 128MT, 160MT, followed by -E/UL.

Programmable controller, extension blocks, Model FX- followed by 8ER, 8EX, 8EYR, 8EYS, 16EX, 16EYR, 16EYS, followed by -ES/UL suffix; Model FX- followed by 8EYT, 16EYT, followed by -ESS/UL suffix; Model FX-

followed by 8EX, followed by UA1/UL suffix.

Programmable controller , Model FX2N- followed by 16MT, 32MT, 48MT, followed by -E/UL suffix; Model FX2N- followed by 32MS, 48MS, followed by -E/UL suffix.

Programmable controller , Model FX2N- followed by 16MR, 32MR, 48MD, 64MR, 80MR, 48ER, followed by -DS suffix; Model FX2N- followed by 16MT, 32MT, 48MT, 64MT, 80MT, 48ET, followed by -DSS suffix.

Programmable controller, Model FX2n- followed by 16MR, 32ER, 32MR, 48ER, 48MR, 64MR, 80MR, 128MR, followed by -ES/UL suffix.

Programmable controller, Model FX2n- followed by 16MT, 32ET, 32MT, 48ET, 48MT, 64MT, 80MT, 128MT, followed by -ESS/UL suffix.

Power supply unit , Model FX2N- followed by 20PSU.

Programmable controllers, extension blocks, Model FX2n- followed by 16EX, 16EYR, followed by -ES/UL suffix; Models FX2n- followed by 16EYT, followed by -ESS/UL suffix.

Programmable controller, Model FX2n followed by 16MR, 32MR, 48ER, 48MR, 64MR, followed by -UA1/UL suffix.

Programmable controller, special function block, Model FX2N followed by 64DP-M.

Programmable controllers, special function blocks, Model FX2N, followed by 2AD, 2DA, 4AD, 4DA, 1PG-E, 1HC, 20GM, may be followed by -PT or -TC, may be followed by -E suffix; Model FX2N followed by 8AD.

Programmable controller, Model FX2N followed by 80BMT followed by NC suffix.

Programmable controller, extension block, Model FX2N followed by 16EYS.

Programmable controller, Model FXon followed by 24MR, 40ER, 40MR, 60MR, followed by -ES/UL suffix.

Programmable controller, A2C Series, consisting of the following modules: CPU modules: Models A2CCPU, A2CCPUC24, A2CCPUC24-PRF, A2CCPUP21, A2CCPUR21; Power supply module: Model A66PC; Input modules: Models AX11C, -41C, -81C; Output modules: Models AY13C, -23C, -51C, -81C; Combined input and output modules: Models AX10Y10C, -22C, AX40Y10C, -50C, AX80Y10C, -80C; Special function modules: Models A64DAIC, -DAVC, -RD3C, -RD4C, A68ADC, AD61C.

Programmable controllers, Model FX2C followed by 64MT, 96MT, 128MT, 160MT, followed by -ESS/UL; Model FX- followed by 32ER, 48ER, followed by -ES/UL suffix; Model FX- followed by 48ER, followed by -UA1/UL suffix; Model FX2C followed by 64MT, 96MT, 128MT, 160MT, followed by -E/UL.

Programmable controller, extension blocks, Model FX- followed by 8ER, 8EX, 8EYR, 8EYS, 16EX, 16EYR, 16EYS, followed by -ES/UL suffix; Model FX- followed by 8EYT, 16EYT, followed by -ESS/UL suffix; Model FX- followed by 8EX, followed by -UA1/UL suffix; Model FX- followed by 16E, 16EYR, 16EYT, 32E, followed by -TB suffix. Model FX- followed by 16EX, followed by -A1, followed by -TB suffix.

Programmable controllers, Models A8GT-70GOT-EB, -70GOT-EW, -70GOT-SB, -70GOT-SW, -70GOT-TB, -70GOT-TW, A8GT-PWEL, -PW-EU, -PWST, -PWTF, A9GT-70KBF, -80V4, -80R1 -80V4R1 , A9GT-BUS2S, -50WBUSS, -BUSS, -FNB, -FNB1M, -FNB2M, -FNB4M, -FNB8M, -FNB12M, -J71E71-T, -QFNB, -QFNB1M, -QFNB2M, -QFNB4M, -QFNB8M, -QFNB12M, -RS2, -50WRS2, -RS4, -50WRS4 , A950GOT-LBD, -LBD-M3, -SBD, -SBD-M3, -TBD, -TBD-M3 , A951GOT-LBD, -LBD-M3, -QLBD, -QLDD, -QLDD-M3, -QSBD, -QSBD-M3, -QTBD, -QTBD-M3, -SBD, -SBD-M3, -TBD, -TBD-M3 , A953GOT-LBD, -LBD-M3, -SBD, -SBD-M3, -TBD, -TBD-M3 , A956GOT-LBD, -LBD-M3, -SBD, -SBD-M3, -TBD, -TBD-M3 , A956WGOT-TBD , A960GOT-EBA, A960GOT-EBA-EU, -EBD, A970GOT-LBA, -LBA-EU, -LBD, -SBA, -SBA-EU, -SBD, -TBA, -TBA-B, -TBA-EU, -TBD, -TBD-B, A975GOT-TBA, -TBA-B, -TBA-EU, -TBD, -TBD-B, A985GOT-TB4, -TBA, -TBA-EU, -TBD, -

TBA-V, -TBD-V, -TBA-V-EU, -TBD-V-EU.

Models A8GT-J61BT13, A8GT-J61BT15, A9GT-BUSS0, -BUSSU, -BUS2SU, -QBUSS, -QBUS2S, -50WQBUSS, -QBUS2SU, -QCNB, -RS2T; Models A951GOT-QSBD, -QLBD, -QSBD-M3, -QLBD-M3.

Graphic operation terminals, Models F940GOT-LWD, F940GOT-LWD-C, F940GOT-LWD-E, F940GOT-SWD, F940GOT-SWD-C, F9040GOT-SWD-E.

Graphic operation terminals, Models F930GOT-BWD, F930GOT-BWD-C, F930GOT-BWD-E, F930GOT-BWD-T.

Graphic operation terminals , Models F940WGOT-TWD, F940WGOT-TWD-E, F940WGOT-TWD-C.

Programmable controller, external terminal blocks, Model FX- followed by 16EYR, 16EYS, 16EYT, followed by -ES suffix, followed by -TB/UL suffix. Model FX- followed by 16EYT, followed by -ESS suffix, followed by -TB/UL suffix. Model FX- followed by 16EX, followed by -A1 suffix, followed by -TB/UL suffix. Model FX- followed by 16E, 32E followed by -TB/UL suffix.

Programmable controller, Series CC-Linkmaster-local module, Models AJ61BT11, AJ61QBT11, A1SJ61BT11, A1SJ61QBT11.

Programmable controller, Series I/O link master module, Model A1SJ51J64.

Programmable controllers, Remote I/O input modules, Model AJ55TB3 followed by -4D, -8D or -16D. Models AJ65BTB1-16D, AJ65BTB2-16D, AJ65BTC1-32D, AJ65MBTL1N-16D, AJ65SBTB1-8D, AJ65SBTB1-16D, AJ65SBTB1-16D1, AJ65SBTB1-32D, AJ65SBTB1-32D1, AJ65SBTB2-8A, AJ65SBTB2-8T, AJ65SBTB2-16A, AJ65SBTB2-16T, AJ65SBTB2N-8A, AJ65SBTB2N-16A, AJ65SBTC1-32D, AJ65SBTC1-32D1, AJ65SBTC4-16D, AJ65SBTCF1-32D, AJ65SBTW2-16T-S3, AJ65SBTW4-16D, AJ65VBTCU3-8D1, AJ65VBTCU3-16D1, AJ65MBTL1N-32D, AJ65EBTBE3-16D, -32D.

Programmable controllers, Remote I/O output module, Model AJ55TB2 followed by -4R, -4T, -8R, -8T, -16R or -16T. Models AJ65BTB1-16T, AJ65BTB2-16R, AJ65BTB2-16T, AJ65BTC1-32T, AJ65SBTB1-8T, AJ65MBTL1N-16T, AJ65SBTB1-8T1, AJ65SBTB1-8TE, AJ65SBTB1-16T, AJ65SBTB1-16T1, AJ65SBTB1-16TE, AJ65SBTB2-8T1, AJ65SBTB2-16T1, AJ65SBTB1-32T, AJ65SBTB1-32T1, AJ65SBTB2-8R, AJ65SBTB2-16R, AJ65SBTB2N-8R, AJ65SBTB2N-8S, AJ65SBTB2N-16R, AJ65SBTB2N-16S, AJ65SBTC1-32T, AJ65SBTC1-32T1, AJ65SBTCF1-32T, AJ65SBTB2-8T, AJ65SBTB2-16T, AJ65VBTCU2-8T, AJ65VBTCU2-16T, AJ65FBTBA4-16D, -16DE, AJ65SBTCM1P-16T, AJ65FBTA2-16T, -16TE, AJ65MBTL1N-32T.

Programmable controller, Remote I/O input/output module, Model AJ55TB32 followed by -4DR, -4DT, -8DR, -8DT, -16DR or -16DT. Models AJ65BTB1-16DT, AJ65BTB2-16DR, AF65BTB2-16DT, AJ65MBTL1N-16DT, AJ65SBTC1-32DT, AJ65SBTC1-32DT1, AJ65SBTC1-32DT2, AJ65SBTC1-32DT3, AJ65SBTC4-16DT, AJ65SBTC4-16DT2, AJ65SBTW4-16DT, AJ65SBTCF1-32DT, AJ65SBTB1-32DT, AJ65SBTB32-8DT, AJ65SBTB32-8DT2, AJ65SBTB32-16DT, AJ65SBTB32-16DT2, AJ65SBTB1-16DT, AJ65SBTB1-16DT1, AJ65SBTB1-32DT1, AJ65SBTB1-32DT2, AJ65SBTB1-32DT3, AJ65SBTW2-8TE-S3, AJ65SBTB1-16DT2, AJ65SBTB1-16DT3, AJ65VBTCF1-32DT1, AJ65FBTBA42-16DT, -16DTE, AJ65EBTBE3-16DT.

Programmable controller, Special function modules, Models AJ65BT-64AD, -64DAI, -64DAV, -64RD3, -64RD4, -68TD, AJ65BT-D62, -D62D, -D62D-S1, -D75P2-S3, -R2, G4, -G4-S3, AJ65SBT-65AD, AJ65SBT-62DA, AJ65SBT-RPG, -RPS, -RPT, AJ65VBTCU-68ADV-S1, -68DAV-S1, AJ65VBCTU-68ADV, AJ65VBTCU-68ADI, AJ65VBTCU-68DAV.

Models AJ65VBCTU-68ADV, AJ65VBTCU-68AD1N, AJ65VBTCU-68DAVN.

Model AJ65SBT-CLB.

Programmable controller, Special function block, Model FX2N followed by 16LNK-M followed by 16LNK-M.

Programmable controller, Alpha Series, Model AL followed by 6MR, 10MR, 10MT, 20MR, 20MT, followed by -A or -D suffix, may be followed by -001.

Programmable controller, Series PROFIBUS interfare master modules, Models AISJ71PB92D, AISJ71PB96F, AJ71PB92D, AJ71PB96F.

Programmable controller, Slave I/O input module, Model AJ95TB3-16D, AJ95FPBA4-16DE .

Programmable controller, Slave I/O output module, Model AJ957B2-16T, AJ95FPBA2-16TE .

Programmable controllers, Slave I/O input/output module, Model AJ95TB32-16DT, AJ95FPBA42-16DTE .

Programmable controller, Models FX2NC- followed by 16MT, 32MT, 64MT, 96MT; followed by -DSS suffix. Models FX2NC- followed by 16MR; followed by T; followed by -DS suffix.

Programmable controller, extension blocks, Models FX2NC- followed by 16EX, 32EX; followed by -DS suffix. Models FX2NC- followed by 16 EYT, 32 EYT; followed by -DSS suffix. Models FX2NC- followed by 16EX; followed by -T; followed by -DS suffix. Models FX2NC- followed by 16EYR; followed by -T; followed by -DS suffix.

Programmable controllers, Model FX2NC followed by 16MT, 32MT, 64MT, 96MT, followed by -D/UL suffix.

Programmable controller extension blocks, Model FX2NC followed by 16EX, 32EX, followed by -D/UL suffix; Model FX2NC followed by 16EYT, 32YT, followed by -D/UL suffix.

Programmable controller, MELSEC-Q Series, consisting of the following modules:

A/D Conversion modules, Models Q64AD, Q68ADI, Q68ADV, Q64AD-GH.

Base units, Models Q32SB, Q33B, Q33SB, Q35B, Q35SB, Q38B, Q52B, Q55B, Q63B, Q65B, Q68B, Q312B, Q612B, QA1S33B, QA1S35B, QA1S38B, QA1S65B, QA1S68B, QA65B.

CC-Link light master modules, QJ61CL12, QJ61BT11N.

CC-Link master-local module, QJ61BT11.

Computer link modules, Models QJ71C24, QJ71C24-R2, QJ71C24N, QJ71C24N-R2, QJ71C24N-R4, QJ71E71-B5.

CPU modules, Models Q00CPU, Q01CPU, Q02CPU, Q02HCPU, Q06HCPU, Q12HCPU, Q25HCPU, Q12PHCPU, Q25PHCPU, Q00JCPU, Q00JCPU-PW.

D/A Conversion modules, Models Q62DA, Q64DA, Q68DAI, Q68DAV, Q64DA-FG, Q62DA-FG.

Ethernet modules, Models QJ71E71, QJ71E71-B2, QJ71E71-100, QJ71ST11-100.

WEB Server module, QJ71WS96.

High speed counter modules, Models QD62, QD62D, QD62E.

Intelligent (C language) modules, Model QD54-S1.

DC converter module, Model Q63P.

I/O modules, Models QH42P, QX10, QX28, QX40, QX40-S1, QX41, QX41-S1, QX41Y41P, QX42, QX42-S1, QX48Y57, QX70, QX71, QX72, QX80, QX81, QY10, QY22, QY40P, QY41P, QY42P, QY50, QY80, QY81P,

QY18A, QY68A, QY70, QY71.

"A" Series MELSEC network boards, P/N A70BDE-J71QBR13, A70BDE-J71QLP23, A70BDE-J71QLP23GE, A70BDE-J71QLR23. **"A" Series Control and communication link system boards**, P/N A80BDE-J61BT11, A80BDE-J61BT13. **"A" Series MELSEC CPU board**, P/N A80BDE-A24SH-S1.

"Q" Series MELSEC network interface boards , Part Nos. Q80BD-J71LP21-25, Q80BD-J71BR11.

Melsecnet link modules, Models QJ71LP21, QJ71BR11, QJ71LP21-25, QJ72BR15, QJ72LP25-25, QJ71LP21G, QJ71LP21GE, QJ72LP25G, QJ72LP25GE, QJ71LP21S-25.

Memory card units, Models Q2MEM-1MBS, -2MBS, -2MBF, -4MFB, -8MBA, -16MBA, -32MBA.

Positioning modules, Models QD70P4, QD70P8, QD75D1, QD75D2, QD75P1, QD75P2, QD75P4.

Profibus network modules, Cat. Nos. QJ71PB92D, QJ71PB93D .

Temperature control modules, Models Q64TCRT, Q64TCRTBW, Q64TCTT, Q64TCTTBW.

Power supplies, Models Q61P-A1, -A2, Q61.SP, Q62P, Q64P.

Device net master-slave module, Model QJ71DN91.

Programmable controllers, special function block, Model FX0N followed by 32NT-DP; Model FX2N followed by 64DNET; Model FX2N-2LC.

Pt100 input module (3-wire type/4 wire type), Model Q64RD.

Computer link (basic language) modules, Models QD51, QD51-R24.

Temperature input module, Model Q64TD.

FL net modules, Models QJ71FL71, QJ71FL71-B2, QJ71FL71-B5, QJ71FL71-T, QJ71FL71-B2-Fnn, QJ71FL71-Fnn, QJ71FL71-B5-Fnn, QJ71LF71-T-Fnn, where nn = 01 thru 99.

High speed intercept module, Model QI60.

Handy graphic operation terminals, Models A950GOT-SBD-M3-H, A953GOT-SBD-M3-H, A950GOT-LBD-M3-H, A953GOT-LBD-M3-H, F940GOT-LBD-H, F940GOT-LBD-H-C, F940GOT-LBD-H-E, F940GOT-SBD-H, F940GOT-SBD-H-C, F940GOT-SBD-H-E, F943GOT-LBD-H, F943GOT-LBD-H-C, F943GOT-LBD-H-E, F943GOT-SBD-H, F943GOT-SBD-H-C, F943GOT-SBD-H-E.

Remote I/O module, Model FCU6-DX561.

MELSEC-Q Series Programmable controller modules:

CPU, Models Q172CPU, Q173CPU, Q173CPU-S1, Q172CPUN, Q172CPUN-T, Q173CPUN, Q173CPUN-T.

Positioning, Models QD75M1, QD75M2, QD75M4.

Servo external signal, Model Q172LX.

SSC I/F board, Model A10BD-PCF.

Synchronous encoder, Model Q172EX may be followed by -S1, -S2 or -S3

Manual pulse generator, Model Q172PEX may be followed by -S1.

Application programmable controllers, Models AL2 followed by 14MR, 24MR, followed by -A or -D suffix; Expansion modules for the AL2 controller AL2 followed by 4EX, 4EX-A2, 4EYR, 4EYT.

Programmable controller , Model CL1 followed by PAD1 (Adapter).

Programmable controller, Model CL1 followed by XY2-DT1D5S, X2-D1D3S, Y2-T1D2S, XY2-DTE1D5S, X2-DE1D3S, Y2-TE1D2S (Cable Type).

Programmable controller, Model CL1 followed by X4-D1B2, Y4-T1B2, Y4-R1B2, XY8-DT1B2, XY8-DR1B2, Y4-TE1B2, XY8-DTE1B2, Y4-R1B1, XY4-DT1B2, XY4-DR1B2, XY4-DTE162 (Terminal Type).

CC-link/LT I/O module , Model CL2 followed by X or Y, followed by 8 or 16, followed by D or TP, followed by 1, followed by B, C or M, followed by 1, 2 or 3, followed by non or V.

LOOK FOR LISTING MARK ON PRODUCT

This page and all contents are Copyright © 2003 by Underwriters Laboratories Inc.®

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.



NRAQ.GuideInfo Programmable Controllers

[Industrial Control Equipment] Programmable Controllers

This Listing covers programmable industrial control systems utilizing a programmable memory for internal storage of user oriented instructions for specific functions such as logic, sequencing, counting, and controlling various industrial equipment through digital or analog inputs or outputs. These Listings also include power supplies, central processing units, input and output accessories, computer interfaces and programming or program diagnostic units associated with programmable control systems.

This Listing also includes programmable controllers and their accessories which have been reconditioned. Reconditioned programmable controllers and their accessories may also be referred to as rebuilt. Reconditioned programmable controllers and their accessories are factory reconditioned to the extent necessary by disassembly and reassembly using new or reconditioned component parts. The reconditioned programmable controllers and their accessories are subject to the same requirements as new programmable controllers and their accessories.

All products covered by this Listing are marked with their electrical ratings. Output devices may have more than one rating. At least one rating is marked on the output device and additional ratings may be marked on an instruction sheet referenced on the output device.

The basic standard used to investigate products in this category is UL 508 electrical "Industrial Control Equipment" .

This Listing does not cover primary safety controls intended for programming and monitoring the operation of the burner on gas, gas-oil, or oil-fired appliances. For those controls, see Primary Safety Controls (MCCZ) in the Flammable and Combustible Liquids and Gases Equipment Directory.

The Listing Mark of Underwriters Laboratories Inc. on the product is the only method provided by UL to identify products manufactured under its Listing and Follow-Up Service. The Listing Mark for these products includes the name and/or symbol of Underwriters Laboratories Inc. (as illustrated) together with the word "LISTED" , a control number and --- product name: "Industrial Control Equipment" (or "Ind. Cont. Eq.") or this product name preceded by either the word "Reconditioned" or "Rebuilt" .



Notice of Disclaimer

By accessing these Listings, Designs, Constructions, Systems and Assemblies, the user acknowledges and accepts the terms and conditions upon which this service is made available.

THIS INFORMATION AND ALL RELATED MATERIALS, SUPPORT AND SERVICES ARE MADE AVAILABLE BY UL FOR USE ONLY BY USERS FOR THEIR INTERNAL PURPOSES AND IS "AS IS," WITHOUT ANY REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

UL cannot and does not warrant that this information is current, accurate, or complete. This database contains the names of companies who have qualified to use the UL Mark and those products for which samples have been evaluated by UL and judged to be eligible for Listing. The manufacturer is not obligated to label all of his production. Accordingly, the appearance of a company's name or product in this database does not in itself assure those products are covered under UL's Listing and Follow-Up Service. Only those products bearing the appropriate UL Mark should be considered covered under UL's Listing and Follow-Up Service. Any reproduction or re-transmission of this information is prohibited unless reproduced or re-transmitted in its entirety, including this Notice of Disclaimer.

UL does not permit hyperlinking to this website without its express prior written consent and the execution of a hyperlinking agreement.

Copyright © 2003 Underwriters Laboratories Inc.® All rights reserved.

