
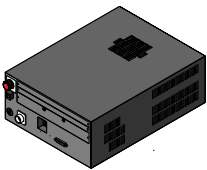

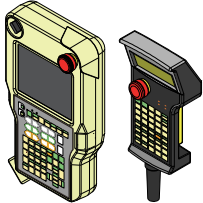

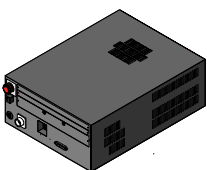
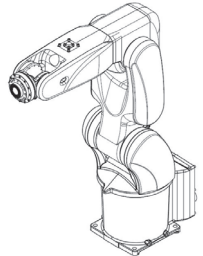

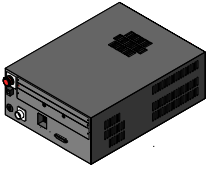

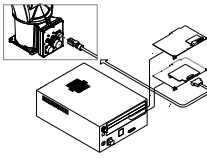



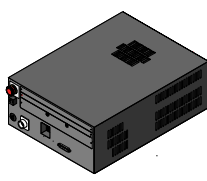
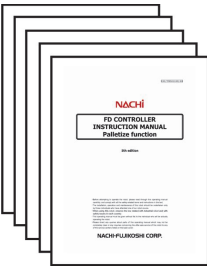


CFD controller Manual List

Standard Manuals

1	<p>TCFEN-159</p> 		<p>CFD CONTROLLER INSTRUCTION MANUAL – SETUP MANUAL <u>For people who connect the CFD controller and the robot and perform the initial setup of the robot, etc.</u></p> <p>The setup procedures for the CFD controller and the robot (e.g. tool constant setting, home position registration, Ethernet setting etc.) and the connection procedure for the safety related signals are described in this manual.</p> <p>- When using a compact teach pendant, a PC software “FD on Desk Light” is necessary.</p>
2	<p>TCFEN-160</p> 		<p>CFD CONTROLLER INSTRUCTION MANUAL – BASIC OPERATIONS MANUAL <u>For people who create programs and playback them and operate the files.</u></p> <p>Teaching (programming) operations, playback operations, and file operations are described in this manual. And, how to start the program using the external input signals are also described in this manual.</p> <p>- When using a compact teach pendant, a PC software “FD on Desk Light” is necessary.</p>
3	<p>ECFEN-007</p> 		<p>CFD CONTROLLER INSTRUCTION MANUAL - CONTROLLER MAINTENANCE <u>For maintenance staff.</u></p> <p>This manual contains CFD controller maintenance, and spare parts list.</p> <p>• Detailed specification is written in “Standard specification sheet”.</p>
4	<p>MZ04 : MMCJP-288 MZ07 : MMZJP-265 MC10S : MMCJP-282</p>		<p>MANIPULATOR INSTRUCTION MANUAL <u>For maintenance staff.</u></p> <p>This manual contains robot maintenance procedures and spare parts list.</p> <p>• Detailed specification is written in “Standard specification sheet”.</p>
5	<p>MCFEN-008</p> 		<p>CFD CONTROLLER INSTRUCTION MANUAL - ERROR CODE LIST <u>For maintenance staff</u></p> <p>This manual contains the troubleshooting when error occurs.</p>

6	<p>TCFEN-155, 156</p> 		<p>CFD CONTROLLER TECHNICAL DOCUMENT</p> <p>For system integrators who connect and setup the I/O interfaces like DeviceNet etc. or install the optional parts to the robot.</p> <p>Book 1 MZ series adjustable stopper, Transferring jig, I/O cable and or so Book 2 Digital I/O board, Fieldbus board (e.g. DeviceNet) and or so</p>
7	<p>TCFEN-906</p> 		<p>FD on Desk Light OPERATING MANUAL</p> <p>For “FD on Desk Light” operator</p> <p>This is the simulation software installed in personal computer. Connecting the PC with CFD controller with Ethernet enables similar operation as Smart TP.</p> <p><u>When using the “Compact Teach Pendant”, this software is necessary. Please install this software using the attached disc.</u></p>
8	<p>TFDEN-007</p> 		<p>FD CONTROLLER INSTRUCTION MANUAL - EXTERNAL INPUT/OUTPUT</p> <p>For system integrator who control this CFD controller using external PLC etc.</p> <p>This manual contains I/O signals connected to external devices. (Signals of FD controller and signals of CFD controller are the same each other.)</p>
9	<p>TFDEN-###</p> 		<p>Instruction manual for each function</p> <p>contains the instruction for each function. Few books are prepared for application. Operation is available using Smart TP or using combination with “FD on Desk Light” software.</p> <p>For operator who already knows basic operation</p> <ul style="list-style-type: none"> •FD controller Software PLC •FD controller Robot Language •FD controller Palletize •FD controller Shift Functions by External Input •FD controller Adaptive Motion •FD controller Fine Motion •FD controller Oscilloscope and or so