



U1000 iQpump

Low-Harmonic Intelligent Pump Drive

Yaskawa's newest addition to the pump drive family, the U1000 iQpump, incorporates matrix technology to directly convert input AC voltage to output AC voltage. The drive is ideally suited for water pumping applications, providing extremely low harmonic distortion, energy savings and servicability in a space-saving design.



Options

Keypads & Cables

USB Copy Unit (Y-Stick)




The USB Copy Unit (Y-Stick) allows the drive to connect to the USB port on a PC. It can read, copy and verify drive parameter settings from one drive to another like drive. This unit plugs into the RJ-45 port on the front of the digital operator.

Model Number & Mounting Location	Installation Guide & Technical Manual
JVOP-181 RJ-45 Keypad Port	IG.V1000.01 TOBPC73060025

JVOP-181 Kit Contents:

Qty Description


- 1 USB Copy Unit (Y-Stick)
- 1 1 ft USB Cable to connect PC to Y-Stick
- 1 3 ft Cable with RJ-45 connector on both ends to connect Y-Stick to drive
- 1 Technical Manual (TOBPC73060025)

 Driver: SP1824_001

Note: This driver is required to be installed on the PC before the Y-stick can be used.

CopyUnitManager PC Software

CopyUnitManager is a PC software program that works along with the Y-Stick Copy Unit (JVOP-181) that allows the user to transfer and save parameter files from the Y-Stick to a PC and vice versa. The CopyUnitManager software can be used to save parameter files for a variety of drive sizes and parameter configurations. Simply configure the drive parameters, transfer them to the Y-Stick Copy Unit, then save them to your PC for backup or for quickly downloading multiple drives.

 Download Software (5.9MB)

System Requirements

- ▶ PC: PC/AT DOS/V Compatible machine

- ▶ CPU: Pentium II Processor 2GHz, 3GHz or more recommended
- ▶ Memory: 512MB, 1GB or more recommended
- ▶ Hard Disk Capacity: More than 400MB
- ▶ Operating System: WindowsXP SP2, Windows2000 SP4

Operators	Model Number	Manual
<p>Digital Operator, LCD</p> <p>This operator is the standard digital operator on all NEMA 3R enclosure doors. This option is only needed if the original keypad is lost or damaged.</p> <p>Features:</p> <p>LCD digital operator display, 5 lines x 16 characters, backlit</p> <p>7 languages</p> <p>Copy function</p>	<p>UOP000023</p> <p>JVOP-183R</p> <p>Mounts to RJ-45 keypad port</p>	<p>TOEPYAIP1W01</p>
<p>UL Rated Remote Outdoor Operator / Mounting Kit</p> <p>This option provides all you will need to remotely mount an iQpump1000 Digital Operator to the door/wall of a separately priced, oversized UL Type 1, 3R, 4, 4X, or 12 enclosure (IPX6 environment). This kit includes: One JVOP-183R Digital Operator providing RC, HOA, and outdoor rated LCD display, a faceplate bezel with digital operator cutout in the enclosure door, a 3-foot cable, a 10-foot cable, and a 1:1 template for cutting the necessary cutouts in the enclosure. Mounting hardware included. Kepad can be removed after kit installation. Connects to RJ-45 port and mounts to enclosure wall.</p>	<p>UOP000017</p> <p>(Yaskawa Logo Faceplate Membrane).</p> <p>UOP000019</p> <p>(Blank Faceplate Membrane).</p>	<p>TOEPYEAOPT02</p>
<p>LCD Keypad Installation Set A (Remote Operator Mounting Bracket Kit).</p> <p>This is a bracket to which the LCD Digital Remote Operator (JVOP-183) attaches, and has (4) threaded holes and screws to attach to the cover of an enclosure. The kit contains (2) screws to mount the operator to the bracket and (4) screws to attach the bracket to the enclosure.</p>	<p>EZZ020642A</p> <p>(Blank Membrane)</p> <p>Mounts to keypad port and enclosure door.</p>	<p>TOEPYEAOPT02</p>
<p>LCD Keypad Installation Set B (Remote Operator Mounting Bracket Kit).</p> <p>Contains a similar bracket that the keypad attaches to and has non-threaded holes for mounting to an enclosure that has the screws attached to the enclosure already. The kit contains (2) screws to mount the keypad to the bracket and (4) nuts to attach the bracket to the customer supplied screws attached to the enclosure.</p>	<p>EZZ020642B</p>	
<p>Operator Kits, NEMA Type 3R/4X.</p> <p>This option is used to extend an LCD or LED Digital Remote Operator to the wall of a separately priced, oversized UL Type 3R, 4, 4X or 12 enclosure (IPX6 environment). Price includes a faceplate bezel with digital operator brackets and membrane to cover the operator cutout in the enclosure door, a 3-foot cable, a 10-foot cable, and a 1.1 template for cutting the necessary cutouts in the enclosure. Keypad can be removed after kit installation. Designed for use with the LCD Operator JVOP-183 or the LCD Operator JVOP-183R, sold separately. Connects to RJ-45 port and mounts to enclosure wall.</p>	<p>UUX000526</p> <p>(Black Membrane)</p> <p>UUX000527</p> <p>(Yaskawa Logo Membrane)</p>	<p>Keypad Template (UDM00236)</p>
<p>Overlay, Keypad, Self-Adhesive.</p> <p>This membrane is used to cover the operator cutout in the enclosure door to which the keypad has been remotely mounted.</p>	<p>UNP00233-3</p> <p>UNP00233-5</p>	

Key Pad Adapter Kit.

This kit can be used when a "new" iQpump1000 key pad is replacing an "old style" key pad used with P7-based iQpump drives. This kit will allow enclosure door mounted key pad to be upgraded from P7 style to the iQpump1000 style digital key pad.

UUX000922

Cables	Model Number
Remote Operator Cable	UWR0051
These cables are used to connect the Remote LCD Digital Operator (JVOP-180) or Remote LED Operator (JVOP-182). They are available in one (1) or three (3) meter lengths.	(1 meter) UWR0052 (3 meter)
PC Interface Cable	
This 6-foot cable interconnects the drive keypad port to the 9-pin communication port on a PC. This cable is used in conjunction with DriveWizard Industrial software.	UWR00468-2
USB Interface Cable	
This 10-foot male USB-A to male USB-B cable provides a USB-to-USB connection from PC to the drive.	UWR-00638
Flash Write Cable	
This 6-foot cable connects a PC's 9-pin serial port to the drive's keypad port for updating the drive's firmware, flashing with custom firmware, or updating a network communication option board. It is used with the Flash Tool feature of the DriveWizard Industrial software.	UWR-01076-1

Cables	Model Number
Digital Operator Cable, Remote	
These cables are used to connect the Remote Digital Operator (JVOP-18_). They are available in one (1) or three (3) meter lengths.	UWR0051 (1m), UWR0052 (3m)
PC Interface Cable	
This 6-foot cable interconnects the drive keypad port to the 9-pin communication port on a PC. This cable is used in conjunction with DriveWizard® iQpump Software.	UWR00468-2
USB Interface Cable	
This 10-foot male USB-A to male USB-B cable provides a USB-to-USB connection from PC to the drive.	UWR-00638