

Table of Contents



Introduction	1
Is this the right manual for you?	1
DCU Hardware Overview	1
DCU Uses	1
How can I use the DCU?	2
As a General Purpose Communication Port	2
As a <i>Direct</i> NET Interface	3
How can I connect the DCU? – Four Simple Steps	4
Step 1: Build the communication cable	5
Things to Consider	5
Consideration 1: Physical Configuration	6
Consideration 2: Electrical Specification RS232C or RS422	7
Consideration 3: Cable Schematics	8
Consideration 4: Cable Specifications	10
Consideration 5: Installation Guidelines	10
Consideration 6: A Quick Test Cable	12
Step 2: Set the DCU switches	13
Host Computer or Operator Interface Connection	13
<i>Direct</i> NET Interface Connection	13
DCU Switch Settings	14
Online / Offline Switch	15
Address Switch	15
Step 3: Install the DCU and start the communications	16
Check the Power Budget	16
Install the DCU	17
Connect the Cables	17
If you're using an Operator Interface or Computer... ..	17
If you're using <i>Direct</i> NET... ..	17
Step 4: Verify that it's working correctly	18
Troubleshooting	19
Specifications	20
Environmental Specifications	20
Operating Specifications	20
