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The logo for Meridia features a stylized globe of the Earth with green continents and blue oceans. Two elliptical orbital rings, one yellow and one red, encircle the globe. A small registered trademark symbol (®) is located to the right of the globe.

## Service Manual

Draft 11

June 10, 2002



**COMPUTERIZED ELEVATOR CONTROL CORP.**  
Moving People. Moving Business.



## SECTION 16 – GROUP COMMANDS

Type **<GRP>** to establish communication with group functions. The Group Human Interface mode's prompt is:  
**Group =>**

### GROUP DIAGNOSTIC COMMANDS

<b>&lt;COMMAND&gt;</b>	<b>DESCRIPTION OF GROUP DIAGNOSTIC COMMAND</b>																																																																						
CAR	Enter the <b>CAR</b> Human Interface ( Prompt: <b>C# 1=&gt;</b> )																																																																						
FLTn	Displays last four <b>FauLTs</b> starting at position ( <b>n</b> ). `n' equal to 0 is the most recent fault. <b>Note:</b> <i>REE parameter must be set accordingly.</i>																																																																						
GET	<b>GET</b> /Load all the parameters from EEPROM. This command restores the parameters from EEPROM - All Parameters (PAR) and the Scan Table (SCA).																																																																						
IOcn	<p><b>I/O Controller</b> that controls I2C input/output boards. Displays the I/O status for each I/O board controlled by an intelligent device. "n" represents the device comm port number as listed table at the bottom of this entry.</p> <p>C# 1=&gt; IOC3</p> <p>HC IOC</p> <table style="margin-left: 40px;"> <tr> <td></td> <td>1 2 3 4 5 6 7 8</td> <td></td> <td>1 2 3 4 5 6 7 8</td> </tr> <tr> <td>Input: =====</td> <td></td> <td>Output: =====</td> <td></td> </tr> <tr> <td>1</td> <td>0 0 0 0 0 0 0 0</td> <td></td> <td>0 0 0 0 0 0 0 0</td> </tr> <tr> <td>2</td> <td>0 0 0 0 0 0 0 0</td> <td></td> <td>0 0 0 0 0 0 0 0</td> </tr> <tr> <td>3</td> <td>0 0 0 0 0 0 0 0</td> <td></td> <td>0 0 0 0 0 0 0 0</td> </tr> <tr> <td>4</td> <td>0 0 0 0 0 0 0 0</td> <td></td> <td>0 0 0 0 0 0 0 0</td> </tr> <tr> <td>5</td> <td>0 0 0 0 0 0 0 0</td> <td></td> <td>0 0 0 0 0 0 0 0</td> </tr> <tr> <td>6</td> <td>0 0 0 0 0 0 0 0</td> <td></td> <td>0 0 0 0 0 0 0 0</td> </tr> <tr> <td>7</td> <td>0 0 0 0 0 0 0 0</td> <td></td> <td>0 0 0 0 0 0 0 0</td> </tr> <tr> <td>8</td> <td>0 0 0 0 0 0 0 0</td> <td></td> <td>0 0 0 0 0 0 0 0</td> </tr> </table> <p><b>Note:</b> <i>HC is the I2C device controller (IOC).</i></p> <table style="margin-left: 40px;"> <tr> <td>Port #</td> <td>IIC device controller</td> <td></td> </tr> <tr> <td>0</td> <td>GPIO1</td> <td>Group I/O 1</td> </tr> <tr> <td>1</td> <td>GPIO2</td> <td>Group I/O 2</td> </tr> <tr> <td>2</td> <td>GSEC</td> <td>Group Security</td> </tr> <tr> <td>3</td> <td>HC</td> <td>Hall Call</td> </tr> <tr> <td>4</td> <td>RHC</td> <td>Rear Hall Call</td> </tr> <tr> <td>5</td> <td>IR</td> <td>Inconspicuous Riser</td> </tr> <tr> <td>6</td> <td>RIR</td> <td>Rear Inconspicuous Riser</td> </tr> <tr> <td>7</td> <td>CB</td> <td>Code Blue Riser</td> </tr> <tr> <td>8</td> <td>VIP</td> <td>VIP Riser</td> </tr> </table>		1 2 3 4 5 6 7 8		1 2 3 4 5 6 7 8	Input: =====		Output: =====		1	0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0	2	0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0	3	0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0	4	0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0	5	0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0	6	0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0	7	0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0	8	0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0	Port #	IIC device controller		0	GPIO1	Group I/O 1	1	GPIO2	Group I/O 2	2	GSEC	Group Security	3	HC	Hall Call	4	RHC	Rear Hall Call	5	IR	Inconspicuous Riser	6	RIR	Rear Inconspicuous Riser	7	CB	Code Blue Riser	8	VIP	VIP Riser
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NCU	Display the car number of the <b>Next-Up Car</b>																																																																						
PAR	Review all the <b>PAR</b> ameters																																																																						
PARA	<b>Alter</b> /Load all the <b>PAR</b> ameters with prompting. Each parameter is listed with its value. Pressing <b>&lt;ENTER ↵&gt;</b> will leave it unchanged. Entering a value and then pressing <b>&lt;ENTER ↵&gt;</b> will alter this parameter with the new value displayed.																																																																						
PARI	<b>Initialize</b> the <b>PAR</b> ameters as per factory default (as shipped)																																																																						
PMI	Display the <b>PMI</b> Bit status in Hex																																																																						
RCB	<b>Reset</b> all <b>Code Blue</b> calls																																																																						



<COMMAND>	DESCRIPTION OF GROUP DIAGNOSTIC COMMAND														
RDC	<b>Reset all Down Calls</b>														
REE	Set the <b>RE</b> ference <b>E</b> levator. Many commands require that REE is set to either the System (REE = 0) or to a car (REE = 1 through 8) for cars 1 through 8.														
RFL	<b>Reset the System (REE = 0) or car related FauLts REE = 1 through 8</b>														
RTC	<b>Real Time Clock</b> time (day-hour:minute:second) since last power-up or reset														
RUC	<b>Reset all Up Calls</b>														
SCA	Review the floor <b>SCA</b> n assignment table for Car <REE> command.														
SCAA	<b>Alter/Load the floor SCAn assignment Table for Car REE</b>														
SCAI	<p><b>Initialize the floor SCAn Assignment for Car REE as per factory default (as shipped).</b> The following values with their designations can be entered with the &lt;SCA&gt; command:</p> <table border="0"> <thead> <tr> <th data-bbox="410 611 487 638"><u>Value</u></th> <th data-bbox="532 611 646 638"><u>Definition</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="410 648 435 676">0</td> <td data-bbox="532 648 1110 676">Do not accept Up or Down Hall Calls for that floor</td> </tr> <tr> <td data-bbox="410 686 435 714">1</td> <td data-bbox="532 686 980 714">Accept only Up Hall Calls for that floor</td> </tr> <tr> <td data-bbox="410 724 435 751">2</td> <td data-bbox="532 724 1013 751">Accept only Down Hall Calls for that floor</td> </tr> <tr> <td data-bbox="410 762 435 789">3</td> <td data-bbox="532 762 1110 789">Accept both Up and Down Hall Calls for that floor</td> </tr> </tbody> </table>	<u>Value</u>	<u>Definition</u>	0	Do not accept Up or Down Hall Calls for that floor	1	Accept only Up Hall Calls for that floor	2	Accept only Down Hall Calls for that floor	3	Accept both Up and Down Hall Calls for that floor				
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SCBf	<b>Set a Code Blue call at floor (f)</b>														
SCT	<p><b>Screen for Motor Room CRT display monitor. Rotates CRT display from Dispatch to Diagnostics. Type &lt;E&gt; to determine the type of display.</b> e = 0 is for the Dispatch Screen e = 1 through 8 is for the car diagnostic screen</p>														
SDCf	<b>Set Down Call at floor (f)</b>														
SUCf	<b>Set Up Call at floor (f)</b>														
TES	<p><b>Type of Elevator Service in HEX</b></p> <table border="0"> <thead> <tr> <th data-bbox="410 1041 487 1068"><u>Value</u></th> <th data-bbox="532 1041 646 1068"><u>Definition</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="410 1079 435 1106">1</td> <td data-bbox="532 1079 932 1106">Out of service from Car Controller</td> </tr> <tr> <td data-bbox="410 1117 435 1144">2</td> <td data-bbox="532 1117 812 1144">Loss of Communication</td> </tr> <tr> <td data-bbox="410 1155 435 1182">4</td> <td data-bbox="532 1155 1094 1182">Timed-Out service protection (AST) from Group</td> </tr> <tr> <td data-bbox="410 1192 435 1220">8</td> <td data-bbox="532 1192 753 1220">Code Blue Service</td> </tr> <tr> <td data-bbox="410 1230 509 1260">10H(16)</td> <td data-bbox="532 1230 932 1260">Emergency Power Recall Service</td> </tr> <tr> <td data-bbox="410 1270 509 1299">20H(32)</td> <td data-bbox="532 1270 899 1299">Loss of Hall Call Power Service</td> </tr> </tbody> </table>	<u>Value</u>	<u>Definition</u>	1	Out of service from Car Controller	2	Loss of Communication	4	Timed-Out service protection (AST) from Group	8	Code Blue Service	10H(16)	Emergency Power Recall Service	20H(32)	Loss of Hall Call Power Service
<u>Value</u>	<u>Definition</u>														
1	Out of service from Car Controller														
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20H(32)	Loss of Hall Call Power Service														
WRT	<b>Write/Store the parameters to EEPROM - All Parameters (PAR) and the Scan Table (SCA)</b>														