







Cattron's "BWI Eagle" Fail-Safe Dozer Safety System Components

"On the Dozer"		E-Stop Transmitter & Antenna	
			
		497-5100-CHx-DC	49-2102
Model Number	Component	Qty Per Dozer	Description
497-5100-CHx-DC	Stop Switch Transmitter	1	9-46VDC powered 900MHz Stop Switch Transmitter mounts in dozer cab – operator uses the log-in button to link the transmitter to receiver when entering surge pile area – the log-in button is also used when switching from the raw coal pile to the clean coal pile. Up to eight dozers can communicate simultaneously with either receiver
49-2102	900MHz Mobile Antenna	1	Magnetic roof mount mobile antenna for model 497-5100-CHx-DC transmitter

WHEN YOUR PLC I/O CONTROLS ARE LOCATED AT THE STOCK PILE:

"At the Stock Pile"		Receiver & Antennas	
			
		497-5280-AC	49-3101
Model Number	Component	Qty Per Stock Pile	Description
497-5280-AC	Receiver	1	100-250VAC Powered, 900MHz Receiver - Installed at stock pile – dozer transmitters log-in to this receiver which continually monitors the status of up to 8 dozers
49-5001	TNC T Adapter	1	Mounts on side of receiver – allows two 900MHz Omni antennas to be connected to the receiver
49-4000-XX	Coax Cable	2	Variable length of coaxial cable with connectors – Connects antennas to receiver
49-3101	900MHz Omni Directional Antenna	2	Omni directional antennas for model 497-5280-AC receiver – mount two antennas – one on either side of the catwalk pointed down at the pile. Connect the two antennas to the receiver using the "T" adapter.

WHEN YOUR PLC I/O CONTROLS ARE LOCATED BACK AT THE CONTROL ROOM

“At the Stockpile”



Repeater & Antennas



497-4500-AC



49-3101

Model Number	Component	Qty Per Stock Pile	Description
497-4500-AC	Repeater	1	100-250VAC Powered, 900MHz Repeater - Installed at stock pile – repeats signals received by dozer transmitters to the receiver located back at the control room.
49-5001	TNC T Adapter	1	Mounts on side of repeater – allows two 900MHz Omni antennas to be connected to the repeater
49-4000-XX	Coax Cable	2	Variable length of coaxial cable with connectors – Connects antennas to receiver
49-3101	900MHz Omni Directional Antenna	2	Omni directional antennas for model 497-4500-AC repeater – mount two antennas – one on either side of the catwalk pointed down at the pile. Connect the two antennas to the receiver using the “T” adapter.

“At the Control Room”



Receiver & Antenna



497-5280-AC



49-3101

Model Number	Component	Qty Per Control Room	Description
497-5280-AC	Receiver	1	100-250VAC Powered, 900MHz Receiver - Installed in control room – dozer transmitters log-in to this receiver which continually monitors the status of up to 8 dozers
49-4000-XX	Coax Cable	1	Variable length of coaxial cable with connectors – Connects antenna to receiver
49-3101	900MHz Omni Directional Antenna	1	Omni directional antenna for model 497-5280-AC receiver – mount strategically to achieve as best line of sight to the repeater as possible.