

4). DIGITAL SECURITY CODING

THE 16-BIT ID CODE IS USED IN THIS SYSTEM TO SECURE THE RF LINK. BASE UNIT PROGRAMS THIS ID CODE RANDOMLY. WHENEVER THE REMOTE UNIT IS PLACED IN THE BASE CRADLE, ID CODE EXCHANGE IS DONE BETWEEN THE BOTH UNITS, AND THEN THE SAME ID CODE IS RETAINED IN THE BOTH UNITS' RAM.

DEFAULT ID CODE IS SET IN THE REMOTE RAM WHEN THE REMOTE UNIT IS POWERED-UP FROM BELOW THE DATA RETENTION VOLTAGE, APX. 2V. UNDER THIS CONDITION, THE BOTH UNITS DO NOT LINK.

RANDOM ID CODE IS GENERATED IN THE BASE UNIT WHEN THE BASE UNIT IS POWERED-UP WITH DEFAULT ID CODE OR WHEN THE REMOTE UNIT IS PLACED IN THE BASE CRADLE.