CS 7750 FULL FUNCTION TERMINAL
15" OR 19" DISPLAY - THROUGH THE WALL 330mm (13"
13mm (1/2") UL SAFE

CONSULT WITH DIEBOLD NIXDORF INSTALLATION/SERVICE
BRANCH FOR ADDITIONAL DETAILS AND INFORMATION.
PLEASE SEE PLANNING AND SITE PREPARATION GUIDE
TP-821806-001.

FOR INSTALLATION THROUGH
203mm (8") MAXIMUM WALL PLEASE
SEE CUT SHEET FILE NUMBER 177-656

NOTE:
FOR CONSUMER ACCESS DIMENSIONS AND
FRONT ELEVATION OF 15" DISPLAY
SEE PAGE 2 OF 7

PLAN VIEW
483mm (19") DISPLAY SHOWN

SECTION

WALL OPENING HEIGHT NOTE
VERIFY INSIDE FLOOR AND EXTERIOR LEVEL HEIGHTS PRIOR TO
CONSTRUCTING WALL OPENING. IF INSIDE FLOOR LEVEL IS MORE
THAN 152mm (6") HIGHER THAN EXTERIOR LEVEL, DIMENSION FOR
WALL OPENING HEIGHT MUST BE ADJUSTED ACCORDINGLY AND
REQUIRED OPERATING HEIGHTS MAY NOT BE MET FOR ACCESSIBILITY
STANDARDS (ADA, CSA, CAE, CEN, ETC.) CALCULATE THE CONSUMER
ACCESS DIMENSIONS ON PAGE 2 OF 7 FROM SAFE BOTTOM.

CALL 1-800-999-3600

PAGE 1 OF 7

FILE NO. 177-654 REV 5

WALL DIMENSIONS AND DESIGN CRITERIA
SUBJECT TO CHANGE WITHOUT NOTICE

FILE NO. 177-654 R E V . 5
S U B J E C T  T O  C H A N G E  W I T H O U T  N O T IC E
"A L L  D I M E N S I O N S  A N D  D E S I G N  C R I T E R I A
P R O J E C T I O N
D I M E N S I O N S  I N  I N C H E S
D I M E N S I O N S  I N  M I L I M E T R E S
P A G E  1  O F  7
CONSUMER ACCESS DIMENSIONS

<table>
<thead>
<tr>
<th></th>
<th>DESCRIPTION</th>
<th>HEIGHT (IN.)</th>
<th>DEPTH (IN.)</th>
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<tbody>
<tr>
<td>A</td>
<td>TOP OF CONSUMER DISPLAY (19&quot; DISPLAY)</td>
<td>1205mm (47¼&quot;)</td>
<td>257mm (10&quot;)</td>
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<tr>
<td>B</td>
<td>TOP FUNCTION KEY (19&quot; DISPLAY)</td>
<td>1067mm (42&quot;)</td>
<td>207mm (8&quot;)</td>
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<tr>
<td>C</td>
<td>BOTTOM OF CONSUMER DISPLAY</td>
<td>923mm (36½&quot;)</td>
<td>155mm (6&quot;)</td>
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<tr>
<td>D</td>
<td>ActivCash</td>
<td>785mm (30¾&quot;)</td>
<td>134mm (5¼&quot;)</td>
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<tr>
<td>E</td>
<td>ActivView</td>
<td>707mm (27½&quot;)</td>
<td>131mm (5&quot;)</td>
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<tr>
<td>F</td>
<td>EPP KEY</td>
<td>713mm (28½&quot;)</td>
<td>46mm (1½&quot;)</td>
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<tr>
<td>G</td>
<td>RECEIPT PRINTER</td>
<td>1067mm (42&quot;)</td>
<td>134mm (5&quot;)</td>
</tr>
<tr>
<td>H</td>
<td>CARD READER / ActivEdge</td>
<td>943mm (37½&quot;)</td>
<td>134mm (5&quot;)</td>
</tr>
<tr>
<td>I</td>
<td>CONTACTLESS CARD READER</td>
<td>943mm (37½&quot;)</td>
<td>134mm (5&quot;)</td>
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<tr>
<td>J</td>
<td>HEADPHONE JACK</td>
<td>926mm (36¼&quot;)</td>
<td>153mm (6&quot;)</td>
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<td>K</td>
<td>ActivMedia</td>
<td>816mm (32½&quot;)</td>
<td>191mm (7½&quot;)</td>
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<tr>
<td>L</td>
<td>COIN</td>
<td>792mm (31½&quot;)</td>
<td>134mm (5&quot;)</td>
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<tr>
<td>M</td>
<td>2D BARCODE SCANNER</td>
<td>665mm (26½&quot;)</td>
<td>0</td>
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<tr>
<td>N</td>
<td>TOP OF CONSUMER DISPLAY (15&quot; DISPLAY)</td>
<td>1137mm (44½&quot;)</td>
<td>232mm (9&quot;)</td>
</tr>
<tr>
<td>O</td>
<td>TOP FUNCTION KEY (15&quot; DISPLAY)</td>
<td>1033mm (40½&quot;)</td>
<td>189mm (7¾&quot;)</td>
</tr>
</tbody>
</table>

HEIGHT - FROM BOTTOM OF SAFE
DEPTH - FROM FRONT EDGE OF BEZEL

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FRONT ELEVATION
19" DISPLAY

FRONT ELEVATION
15" DISPLAY

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FILE NO. 177-855-REV. 5

CALL 1-800-999-3600
CONDUIT AND JUNCTION BOX REQUIREMENTS

1. 25mm (1") METAL CONDUIT FROM ALARM CONTROL CABINET JUNCTION BOX TO 102mm (4") SQ. X 54mm (2") DEEP JUNCTION BOX (ALL BY OWNER'S E.C. (ELECTRICAL CONTRACTOR)).

2. OWNERS E.C. TO RUN 19mm (¾") LIQUID TIGHT FLEX METAL CONDUIT OR 19mm (¾") RIGID CONDUIT FROM JUNCTION BOX TO CABLE CONNECTION PLATE.

3. 19mm (¾") METAL CONDUIT AND UNSWITCHED ELECTRICAL SUPPLY TO 102mm (4") SQ. X 54mm (2") DEEP JUNCTION BOX WITH RECEPTACLE WITHIN 2210mm (87") OF SIDE CONNECTING PLATE (ALL BY OWNER'S E.C.) (SEE POWER REQUIREMENTS).

4. OWNERS E.C. TO SUPPLY COMPATIBLE RECEPTACLE FOR COUNTRY SPECIFIC POWER PLUG. THE POWER SUPPLIED MUST BE AS SPECIFIED BELOW.

NOTE: JUNCTION BOXES MUST BE LOCATED WITHIN 2210mm (87") OF CONNECTING PLATE. (LENGTH OF ELECTRICAL POWER CABLE PROVIDED WITH UNIT). LOCATE IN AN EASILY ACCESSIBLE AREA.

BOXXES CAN BE FLUSH MOUNTED WITH CONCEALED CONDUIT FOR NEW CONSTRUCTION OR BOXES CAN BE SURFACE MOUNTED WITH EXPOSED CONDUIT FOR CONSTRUCTION EXISTING.

PHYSICAL SECURITY

UL RATED SAFE meets the attack test requirements defined in UL 294-15. THE MAXIMUM NEGATIVE AIR PRESSURE ALLOWED IS 0.05" H2O.

THE SAFE DOOR FEATURES A POSITIVE RELOCKING DEVICE. ACCESS TO THE SAFE DOOR IS MANAGED BY AN INSTALLED MECHANICAL OR ELECTRONIC COMBINATION LOCK OR LOCKS THAT ARE UL CERTIFIED, VDE CERTIFIED CLASS 1 OR CLASS 2, AND/OR EN-1150 CERTIFIED CLASS A OR CLASS B DEPENDING ON THE SYSTEM CONFIGURATION. CONSULT THE SYSTEM OPERATING GUIDE FOR FURTHER INFORMATION.

ALARMS PROTECTION

UL RATED SAFES ARE EQUIPPED WITH A SAFE DOOR SWITCH BY DEFAULT. ADDITIONAL ALARM AND SENSOR PACKAGES ARE AVAILABLE TO MONITOR FOR VARIOUS ATTACK VECTORS. CONSULT THE SYSTEM OPERATING GUIDE FOR FURTHER INFORMATION.

SIGNAL CABLE RUN CONSTRAINTS

THE FOLLOWING CHART DESCRIBES THE SIGNAL CABLE SPACING REQUIREMENTS OF THE SIGNAL CABLE RUN WITH RESPECT TO OTHER POWER AND ELECTRICAL EQUIPMENT CABLE RUN.

SIGNAL CABLE INSTALLATION CONSTRAINTS

RELATIVE HUMIDITY (NON-CONDENSING) 20 TO 80% AT 32° C (90° F), 29 TO 55% AT 49° C (116° F) MAXIMUM RATE OF CHANGE 10% PER HOUR

OPERATING ENVIRONMENT

SAFE LOCATION

OPERATING TEMPERATURE RANGE (INSIDE AT OUTSIDE WALLS OF UPPER CABINET AND SAFE) OF 5° C TO 50° C (41° F TO 122° F) WITH A SOLID STATE DRIVE (SSD) EQUIPPED PROCESSOR. IF A HARD DISK DRIVE (HDD) IS USED, THE MAXIMUM OPERATING TEMPERATURE IS REDUCED TO 40° C (104° F). MAXIMUM RATE OF CHANGE 10° C (18° F) PER HOUR

OUTSIDE TEMPERATURE RANGE OF -34° C TO 54° C (-30° F TO 129° F) WITH ZERO (STATIC) OR POSITIVE AIR PRESSURE DIFFERENTIAL.

WIRING TO THE RECEPTACLE MUST INCLUDE A THIRD-WIRE EARTH GROUND CONDUIT, GROUND IS NOT ACCEPTABLE). THE TERMINAL WILL PROVIDE A POWER CORD WITH A COUNTRY SPECIFIC POWER PLUG. THE POWER SUPPLIED MUST BE AS SPECIFIED BELOW.

CHOOSE AND SUPPLY THE PROPER POWER FOR THE SITE:

100-127 VAC (-6%, -10%) AT 50 (±1%) Hz, SINGLE-PHASE
200-240 VAC (+10%, -15%) AT 50 (±1%) Hz, SINGE-PHASE

POWER TO THE TERMINAL IS TO BE A DEDICATED SERVICE AND MUST BE PROTECTED BY A SAFETY QUICK-DISCONNECT DEVICE TO BREAK LINE VOLTAGE (SUCH AS A CIRCUIT BREAKER AT THE ELECTRICAL SERVICE PANEL). THE QUICK-DISCONNECT DEVICE (OR CIRCUIT BREAKER) MUST TURN OFF THE LINE VOLTAGE AT THE FOLLOWING AMPERAGE.

100-127 VAC (+4%, -15%) SERVICE, DISCONNECT AT 20 AMPERES
200-240 VAC (+4%, -15%) SERVICE, DISCONNECT AT 10 AMPERES

THE MODULE BULK POWER SUPPLY AND PROCESSOR POWER SUPPLY WILL PROVIDE POWER CONDITIONING TO PREVENT THE TERMINAL FROM MALFUNCTIONING DUE TO SHORT-TERM AC POWER FLUCTUATIONS AS OUTLINED IN EN61000-4-11.

POWER USAGE:

MACHINE STATUS

IDLE (NO TRANSACTIONS) (NO HEATER) 225 WATTS
IDLE (NO TRANSACTIONS) (WITH HEATER) 775 WATTS
CASH DEPOSIT 295 WATTS
CASH DISPENSE 265 WATTS

TERMINAL CONFIGURATION

ActivCore HIGH END, 19" SVD, ActivDispense, ActivMedia, ActivEdge CARD READER, 80mm RECEIPT PRINTER, BATTERY PACK, REAR DISPLAY, JOURNAL PRINTER, CONTACTLESS CARD READER, LOWER CONTROL CARD, 7" DISPLAY, AND TASK LIGHTS.

THE POWER USE DEPENDS ON THE NUMBER AND TYPE OF DEVICES PRESENT IN THE TERMINAL, AND TYPE OF TRANSACTION THE TERMINAL IS PERFORMING.

VALUES ABOVE ARE BASED ON MEASURED AVERAGES FOR THE CONFIGURATION LISTED.

HEAT OUTPUT CONFIGURATION:

768 - BTU/H - IDLE (NO HEATER)
1066 - BTU/H - IDLE (WITH HEATER)
904 - BTU/H - CASH DEPOSIT
904 - BTU/H - CASH DISPENSE

THE HEAT OUTPUT VALUES ABOVE ARE BASED ON MEASURED AVERAGES FOR THE CONFIGURATION LISTED.

WEIGHT OF UNIT:

78 lb (35.4 KG)

ACTUAL WEIGHT OF THE TERMINAL WILL DEPEND ON THE CONFIGURATION OF THE TERMINAL COMPONENTS AND OPTIONS

FILE NO. 177-254 REV. 5

PAGE 3 OF 7
**WALL OPENING DETAILS**

**EXTERIOR ELEVATION**

**WALL OPENING HEIGHT NOTE**

.Verify inside floor and exterior level heights prior to constructing wall opening. If inside floor level is more than 152mm (6") higher than exterior level, dimension for wall opening height must be adjusted accordingly and required operating heights may not be met for accessibility standards (ADA, CSA, CAE, CEN, etc.) calculate the consumer access dimensions on page 2 of 7 from safe bottom.

**BASE AS REQUIRED BY OWNER’S GENERAL CONTRACTOR**

**330mm (13") MAX. WALL THICKNESS IN AREA OF UNIT**

**LINE OF FASCIA**

**CLEARANCE REQUIRED AROUND WALL OPENING FOR PROPER INSTALLATION OF ATM**

**BASE BY OWNER’S G.C. 100mm (4") HEIGHT SHOWN. ACTUAL HEIGHT TO BE DETERMINED BASED ON THE BUILDING'S INTERIOR AND EXTERIOR LEVELS. SEE WALL OPENING HEIGHT NOTE.**

**776 MINIMUM**

**710 MAXIMUM**

**23 1/6 (7.5")**

**838 W.O.**

**819 W.O.**

**330mm (13") MAX. WALL THICKNESS IN AREA OF UNIT**

**VERTICAL SECTION**

**PLANT VIEW**

* Provide vertical and horizontal flat plumb surface around wall opening for proper installation of the ATM

* Clearance required around wall opening for proper installation of ATM

**WALL OPENING HEIGHT NOTE**

**792 SHOWN (31 1/4")**

**819 W.O. (32 1/4")**

**947 (37 1/2")**

**64 (2 1/2")**

**838 (33")**

**1011 (39")**

**776 (30 1/4")**

**819 W.O. (32 1/4")**

**DIMENSIONS IN MILLIMETRES**

**DIMENSIONS IN INCHES**

**ACCESS DIMENSIONS ON PAGE 2 OF 7 FROM SAFE BOTTOM.**

**TRIANGULAR PROJECTION**

**DRAWS**

**DIAGRAMS AND DESIGN SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE**

**FILE NO. 177-654 REV. 5**

**PAGE 4 OF 7**
CS 7750 FULL FUNCTION
THROUGH THE WALL 330mm (13") TERMINAL
RECOMMENDED SERVICE AREAS

PLAN VIEW
(RECOMMENDED SERVICE AREA)

DIMENSIONS IN MILLIÈRES
(DIMENSIONS IN INCHES)

ALL ELECTRICAL AND DATA CABLES
MUST ENTER UNIT IN THIS AREA

SHOWN IS THE RECOMMENDED AREA REQUIRED FOR
INSTALLATION AND SERVICE. DIMENSIONS SHOWN MAY
BE INCREASED WHEREVER POSSIBLE TO IMPROVE
INSTALLATION AND SERVICE ACCESS. USE OF ANY AREA
LESS THAN THE RECOMMENDED AREA MAY RESULT
IN AN INCREASE IN INSTALLATION AND SERVICE TIME.
CONSULT WITH DIEBOLD NIXDORF INSTALLATION/SERVICE
BRANCH FOR SPECIAL BUILDING CONDITIONS.

SAFE DOOR 100 % CLEARANCE TO OPEN THE
SAFE DOOR SHOWN IS MINIMUM REQUIRED

FILE NO. 177-854 REV. 5

PAGE 6 OF 7
NOTES:

FOR ADDITIONAL SECURITY:
IT IS RECOMMENDED THAT THE TERMINAL SAFE BE SECURED TO THE FLOOR WITH ANCHOR BOLTS. USE THE FOLLOWING GUIDELINES TO DETERMINE THE APPROPRIATE METHOD FOR YOUR INSTALLATION.

ANCHORING THE ATM TO CONCRETE FLOORS:
IT IS RECOMMENDED THAT THE TERMINAL SAFE BE ANCHORED TO CONCRETE FLOORS WHENEVER POSSIBLE.
DIEBOLD NIXDORF RECOMMENDS USING A M20 OR 19mm (3/4") ANCHOR BOLT THAT IS 203mm (8") LONG. CONCRETE FLOORS OR CONCRETE BASES MUST BE AT LEAST 102mm (4") THICK FOR ANCHORING TO BE EFFECTIVE. THERE IS NO LIMIT FOR MAXIMUM THICKNESS. ANCHOR BOLTS MUST BE USED IN ALL AVAILABLE ANCHOR HOLES. REFER TO VIEW "A" AND "B" FOR ADDITIONAL DETAILS.

ANCHORING THE ATM TO WOOD FLOORING:
TOWARDS INSTALLED ON WOOD FLOORS OR FLOORS SUPPORTED BY WOODEN BEAMS CAN BE SECURED BY A MACHINE-THEADED METHOD. IT IS PREFERRED THAT THE HARDWARE BE ATTACHED THROUGH SUPPORTING POSTS OR BEAMS FOR MAXIMUM HOLDING CAPACITY. ADDITIONALLY, THIS HARDWARE MUST ATTACH TO A LOCALLY FABRICATED REINFORCEMENT PLATE INSTALLED UNDERNEATH THE FLOOR TO PROVIDE ADDITIONAL STRENGTH. THE REINFORCEMENT PLATE IS TYPICALLY 6mm (1/4") THICK. IT IS IMPORTANT TO NOTE THAT THE OVERALL HOLDING CAPACITY OF A WOOD FLOOR WILL BE LESS THAN THAT OF CONCRETE FLOORS.

ANCHORING THE ATM TO STEEL FLOORS:
TOWARDS INSTALLED ON STEEL FLOORS CAN BE SECURED BY A MACHINE-THEADED METHOD. IT IS PREFERRED THAT THE HARDWARE BE ATTACHED THROUGH SUPPORTING POSTS OR BEAMS FOR MAXIMUM HOLDING CAPACITY. ADDITIONALLY, THIS HARDWARE MUST ATTACH TO A LOCALLY FABRICATED REINFORCEMENT PLATE INSTALLED UNDERNEATH THE FLOOR TO PROVIDE ADDITIONAL STRENGTH. THE COMBINED BACKING PLATE AND FLOOR THICKNESS MUST BE AT LEAST 13mm (1/2").

OWNERS/INSTALLERS TO DRILL (4) 19mm (3/4") DIA. X 203mm (8") MIN. DEEP HOLES IN CONCRETE FLOOR (RECOMMENDED DRILLING COMpletely THROUGH FLOOR WHEN POSSIBLE AND TO BE SECURED TO THE CONCRETE FLOOR WITH (4) 19mm (3/4") X 203mm (8") LONG WEDGE ANCHORS (SUPPLIED BY OWNER'S INSTALLER).
DIEBOLD PART NUMBER 29-016376-000A, HILTI PART NUMBER 282520.