FILE NO. 178-2055

CUSTOMER, OPERATOR, CONTROL AND BLOWER DETAILS

See Page 2 of 8 for Listings and Approvals

SEE PAGE 2 AND 3 OF 8

MAXIMUM TUBE LENGTH 152 METERS

(500 LINEAR FEET)

NOTE:
USED WITH 13485G OPERATOR UNIT
OR
13483 DUAL SIDED OPERATOR UNIT

NOTE:
13mm (1/2") DIA. CONDUIT TO HOUSE CONTROL AND AUDIO CABLES
CONTROL CABLE - "GG" CABLE #20 GAUGE STRANDED TINNED COPPER,
7 CONDUCTOR, UNshielded, 300V PP/PVC (19-200216-0062)
BY DIEBOLD NIXDORF

AUDIO CABLE - "DD" CABLE #20 GAUGE STRANDED TINNED COPPER,
3 SHIELDED TWISTED PAIRS, INDIVIDUAL FOIL SHIELDS WITH DRAIN,
COLOR CODED (91-200170-0062) BY DIEBOLD NIXDORF

NOTE:
13mm (1/2") DIA. CONDUIT (SEE DETAIL A)
FOR UNDERGROUND ROUTING OF CONTROL,
AUDIO AND OPTIONAL CCTV CABLES.

NOTE:
38mm (1-1/2") CONDUIT TO STUB-UP 51mm (2")
ABOVE TOP OF ISLAND (FOR CONTROL, AUDIO
AND OPTIONAL CCTV CABLES)

NOTE:
137 (6") MIN.

NOTE:
45 (1-1/4") DIA. OF CONDUCT

NOTE:
762 MINIMUM

NOTE:
1505 (4'-11") DIA. CONDUIT (SEE DETAIL A)
FOR SURFACE MOUNTING OF CONTROL,
AUDIO AND OPTIONAL CCTV CABLES.

NOTE:
OUTLINE OF CUSTOMER UNIT

NOTE:
OUTLINE OF REQUIRED CLEAR SERVICE AREA

NOTE:
SEND CALL MICROPHONE

NOTE:
OPTIONAL 13724 (GX) TWO WAY
CUSTOMER UNIT COLOR CAMERA
AND COLOR DISPLAY

NOTE:
MICROPHONE

NOTE:
38mm (1-1/2") DIA. CONDUIT, USE WITH CUSTOMER UNIT

NOTE:
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NOTE:
AND TWO WAY CCTV SYSTEM

NOTE:
SEE VAT 21GX TYPICAL
SCHEMATIC USING ONE-WAY
AND TWO WAY CCTV SYSTEM

NOTE:
DIMENSIONS IN MILLIMETRES
(DIMENSIONS IN FOOT PITCHES)

NOTE:
THIRD ANGLE
PROJECTION

NOTE:
ALL DIMENSIONS AND DESIGN SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
NOTE:
MAXIMUM TUBE LENGTH 152 METERS (500 LINEAR FEET)

114mm (4 1/2") DIA. PNEUMATIC TUBE

SEND BUTTON: A MOMENTARY ACTION BUTTON, WHEN PRESSED BY THE OPERATOR, DISPATCHES THE CARRIER TO THE CUSTOMER.

BRING BUTTON: A MOMENTARY ACTION BUTTON, WHEN PRESSED BY THE OPERATOR, RECALLS THE CARRIER FROM THE CUSTOMER UNIT (NOT IN-FLIGHT).

POWER SWITCH: TURNS SYSTEM ON AND OFF. BEFORE SYSTEM IS TURNED OFF CARRIER MUST BE RETURNED TO OPERATOR UNIT AND OPERATOR DOOR MUST BE OPEN.

TYPICAL TRANSACTION


MULTIPLE UNIT CONFIGURATION

(2) UNITS

(3) UNITS

(4) UNITS

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NOTE:
MAXIMUM TUBE LENGTH 152 METERS (500 LINEAR FEET)
SEND BUTTON: A MOMENTARY ACTION BUTTON, WHEN PRESSED BY THE OPERATOR, DISPATCHES THE CARRIER TO THE CUSTOMER.

BRING BUTTON: A MOMENTARY ACTION BUTTON, WHEN PRESSED BY THE OPERATOR, RECALLS THE CARRIER FROM THE CUSTOMER (NOT IN-FLIGHT).

POWER SWITCH: LOCATED ONLY ON ONE SIDE OF THE UNIT. TURNS SYSTEM ON AND OFF. BEFORE SYSTEM IS TURNED OFF CARRIER MUST BE RETURNED TO OPERATOR UNIT AND OPERATOR DOOR MUST BE OPEN.


CUSTOMER CONTROL PANEL X 2

SEND BUTTON: A MOMENTARY ACTION BUTTON, WHEN PRESSED BY THE CUSTOMER, DISPATCHES THE CARRIER TO THE OPERATOR.

CALL BUTTON: A MOMENTARY ACTION BUTTON, WHEN PRESSED BY THE CUSTOMER, ACTIVATES THE AUDIO CHIME, INDICATING COMMUNICATION IS DESIRED.

LOCATION ABOVE AND BELOW CARRIER ACCESS

TYPICAL TRANSACTION

ALTERNATE OPERATOR UNIT INSTALLATION


dimensions in millimetres (dimensions in feet-inches)

PNEUMATIC TUBE 21GX SYSTEM

13660 DUAL SIDED OPERATOR UNIT DETAILS

CALL 1-800-999-3600
NOTE: MAXIMUM TUBE LENGTH 152 METERS (500 LINEAR FEET)

NOTE: CHASE AND LOCATION AS REQUIRED (BY OWNER'S G.C.) SIZED TO HOUSE ALL INTERCONNECTING CONTROL/AUDIO CABLES

NOTES:

1. ALL WORK AND MATERIALS SHALL CONFORM TO THE NATIONAL, ALL STATE, AND LOCAL ELECTRICAL CODES WHICH MAY BE APPLICABLE. ELECTRICAL CONTRACTOR TO BE RESPONSIBLE FOR ANY CHANGES NECESSARY TO COMPLY WITH THESE CODES.

2. ALL CONDUIT, POWER WIRES, JUNCTION BOXES, AND OVERLOAD PROTECTION DEVICES, ARE TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.

NOTE:

762mm (2'-6") MINIMUM CLEARANCE HEIGHT REQUIRED TO CONCEAL TUBE RADII AND CLAMPS

114mm (4 1/2") DIA. CLEAR PLASTIC TUBING
2134 (7'-0") STANDARD
3048 (10'-0") OPTIONAL

NOTE:

GENERAL CONTRACTOR TO PROVIDE ACCESS TO BLOWER PACKAGE AND TUBE SYSTEM

* ALL DIMENSIONS MARKED WITH AN ASTERISK MAY VARY WITH BUILDING/CANOPY CONSTRUCTION
NOTE:

DETAILS SHOWN ARE FOR VAT 21GX INSTALLATIONS WHERE CUSTOMER'S SITE CONDITIONS REQUIRE THE CUSTOMER UNIT POSITIONED IN THE FIRST LANE AND/OR AGAINST THE BUILDING WALL.

DETAILS SHOWN ARE FOR ILLUSTRATION ONLY AND ACTUAL SITE CONDITIONS MUST BE VERIFIED BEFORE INSTALLATION.

SEE SHEET 4 OF 8 FOR TYPICAL DRIVE-UP SCENARIO.

PLAN VIEW - FIRST LANE MINIMUM CURB

PLAN VIEW - MINIMUM WALL RECESS
41022812 VACUUM AIR TUBE 21GX CONTROL BOX
AND
BLOWER PACKAGE ASSEMBLY

NOTE:
LOCATE IN OPERATORS KNEE SPACE AREA

PLAN VIEW

SIDE VIEW

BACK VIEW

VACUUM AIR TUBE 21GX CONTROL BOX

BLOWER CONTROL CABLE - "HH" CABLE
#20 GAUGE STRANDED TINNED COPPER,
2 CONDUCTOR, PVC INSULATION, TWISTED,
WITH SHIELD, 300V (91-200212-0062) BY DIEBOLD NIXDORF

CONTROL CABLE - "GG" CABLE
#20 GAUGE STRANDED TINNED COPPER,
7 CONDUCTOR, UNSHIELDED, 300V PP/PVC
(31-200216-0062) BY DIEBOLD NIXDORF

BLOWER HANGERS OR MOUNTING
DIAM. HOLES FOR 8 (10mm (3/8")

CLEARANCE RECOMMENDED FOR SERVICING BLOWERS

BLOWER CAN BE MOUNTED VERTICALLY.

BLOWER WEIGHT 3.3 kg (7.2 LBS.)

NOTE:
BLOWER CAN BE MOUNTED VERTICALLY.

CLEARANCE RECOMMENDED FOR SERVICING BLOWERS

1.524mm (5/8") OF FLEXIBLE CONDUIT TO ALLOW FOR
SERVICEABILITY (BY OWNER'S E.C.). CONDUIT MAY BE REQUIRED
WHEN LOCAL CODES SPECIFY HARD WIRE INSTALLATION.
OWNERS E.C. TO PROVIDE "DISCONNECT" SWITCH TO BLOWER
WHEN HARD WIRED. SEE CUT SHEET FILE NUMBER 178-2076 FOR
HARD WIRE INSTALLATION REQUIREMENTS.
NOTE:

OWNER'S ELECTRICAL CONTRACTOR TO PROVIDE (1) DUPLEX OUTLET AT EACH "A" ON (1) 120 VAC, 60 Hz, SINGLE-PHASE (3W), 20 AMP DEDICATED BRANCH CIRCUIT.

SEE CUT SHEET FILE NUMBER 178-1953 FOR POWER CONSOLIDATION AND DISTRIBUTION GUIDELINES.

SEE CUT SHEET FILE NUMBER 178-2080 FOR HARD WIRED INSTALLATION REQUIREMENTS.